can be utilized fo res, etc. The barn-1-on plan an allow-

give a southern exse, with grass lawn int. The vegetable allow of vegetable th, and gives ample

to suit the require-; or entrances should I should be absolutelanting is done.

outside belt should willows. The main e of maple, ash, elm, he trees should be way. Between the ne west and north of suggest a hedge of al standard tree to should be bordered ac, Tartarian honey-Rugosa roses, etc. b borders perennial ne, larkspur, Iceland ged with very good s would be a good eens such as white cotch pine.

e, covers an area of 00 feet east and west equire about 10,000 he tree belts as re-

NORMAN M. Ross. nting, Indian Head.

y from Trees

out which the grass ald we go about it to chance

H. THOMAS.

e the rainfall is comto grow forest and where the rainfall is cultivate around all ly tall and thick on and weeds by their

ected and a sod has tree, I would advise should be broken up breaking plow, and

April 7, 1909

United States recommends that all trees and shrubs should produce all it consumes, of every combe "watered" with the hoe. Frequent cultivation has modity it is capable of producing, as cheaply as all the advantages of watering with none of its draw- that commodity may be produced somewhere backs, such as the caking of soil and the production else of shallow roots. No person should plant more trees in this country than he can keep free of grass and weeds. M. A. C

S. A. BEDFORD.

help us to get one?

Interior is preparing a report on the timber resources will never leave the balance with us. object of encouraging conservation and of creating sentiment in support of forestry departments in each of the Provincial governments. This is a matter that requires immediate attention. Our methods of forest destruction are almost criminal, in view of the fact that the supply is so limited, and the time required to replenish the stock is so long. Public opinion to replenish the stock is so long. Public opinion request are all that space permits us publishing. In should support, and enthusiasticaly endorse any them most of the advantages and difficulties of duck well directed move toward conservation.

POULTRY

Advantages of Duck-raising

products by the carload, needs some explanation. We are not trying to induce these men to quit wheat farming and go in for duck raising. All we desire to do under the above caption, is to point out to several thousand others, who are not into the farming business on quite so large a scale, some of the advantages which duck raising EDITOR FARMER'S ADVOCATE: offers, as a side branch of the business in which they are engaged.

Poultry is perhaps the most neglected department of the average western farm, and duck the White Aylesbury. clear to the average individual. Reference to the wholesale prices for ducks, quoted week by the greater part of our domestic duck supply hard boiled egg and barley chop mixed, lightly for young ducks. Give them some sand and grit, and comes from the east, and the prices made for this sprinkled with pepper. After the third day feed gradually whole grain and shorts may be safely fed. When fattening, I keep them shut up and feed a commodity in the western market is simply its plain chop, not too wet along discharge reaching the prices are the greater part of our domestic duck supply hard barley chop mixed, lightly gradually whole grain and shorts may be safely fed. When fattening, I keep them shut up and feed a mash consisting of shorts, chopped oats and barley

class of poultry. Losses in raising ducklings are to \$2.00 a pair. At the end of eight weeks the ducks Editor "Farmer's Advocate": class of poultry. Losses in raising ducklings are should be shut up in a good size pen, with plenty of Ducks are very easily raised, but at the same time insignificant as compared with those occurring straw at the bottom and fed on barley meal mixed up there are some difficulties to contend with in the in the rearing of chicks. With the exception, into a stiff paste with any milk you have to spare raising of young ducks. I have never had any perhaps of guinea fowl, no class of poultry are Give it to them as dry as possible, by the ten weeks trouble hatching them, but, of course, success in more hardy. Ducks are grass feeders it is true, they should then weigh four or five pounds each. but given a cheap bulky ration the cost of raising them is no more than chickens, and when one figures out the number raised from a small flock of breeding stock, they count into profit in young reared much faster than heps do. Not having reared much faster than hens do. Not having had the laying tendency developed in them as hens have, stock reared is the only source of revenue from ducks, that, and the value of the feathers produced. But these two items turn stuffing cushions, etc., which is another profit. Should the weather be very hot at the time of fattening give plenty of shade to the pen, as ducks are more days they are liable to be chilled and may die. In a week or ten days they have out-grown the tendency to turn over like this, and it is seldom the tendency to turn over like this, and it is seldom the birds ready for table, as a good many housewives any number are lost in this way, if one is looking after object to the drawing process. All feathers and the flock closely.

Ducks should be watered in a shallow pan which say a few stones in it to keep them from getting wet.

Should the weather be very hot at the time of fattening give plenty of shade to the pen, as ducks are more days, they are liable to be chilled and may die. If employed in the business when one figures it out. The percentage might astonish some who consider the business might astonish some who consider the business when one figures it out. Should one not care to kill so early and let the

where the plow cannot reach, the sod should be turned men and women qualified by experience in the Christmas poultry make they should bring in a good with a spade. It will then soon rot and will become business and are sufficiently to the point in each profit. In that case they should not be fattened at plant food for the trees, instead of robbing them of moisture and food. No grass or weeds should be caused within several feet of an avenue tree, parallowed within several feet of an avenue tree, particularly if the tree is an evergreen like spruce or pine.

No system of watering will take the place of cultivation. A writer from the semi-arid portions of the should be self supporting in the sense that it support of one of our neglected small industries. Some readers, it is hoped will gather inspiration and ideas from perusing them. This country tivation. A writer from the semi-arid portions of the should be self supporting in the sense that it

Exchanging the surplus of one product for practically everything we require, is good busi-poultry keeping, gets the stock hatched out early in ness if that one product is produced more cheaply the season. Late hatched ducks do not pay, as a than we can produce any other thing, but the rule, the hot weather retarding their growth.
balance is against us as a section or country, if we The early hatched ones, if healthy, should be fed balance is against us as a section or country, if we We want to borrow or buy a first-class photo of a are exchanging our one product for other things so as to make quick growth, and at eight weeks of age, wild rose bush in bloom. Will one of our readers which may be produced at home as cheaply as the with the least amount of feed. The feathers of ducks product is we are exchanging for them. Trading wheat and cattle to the people down east for poultry products, when we can grow the poultry The Forestry Branch of the Department of the at home as cheaply as we do the wheat and cattle wing feathers should be burnt or thrown away.

Is Duck Raising Profitable?

A few weeks ago we requested readers who had had experience raising ducks, to relate them for the instruction of others who might be considering this own accord branch of poultry keeping. Four replies to this raising are pointed out, and it might be mentioned here that practically everyone who wrote, expressed the opinion that the profits from ducks, properly bred, fed and marketed, are sufficient to warrant more attention to this branch of poultry-keeping than it generally receives.

First prize in the competition has been awarded to E. W. Wright, Man., and second to Rosamond it advisable for those living within shipping of Winni-Advising duck rearing to men who speak of peg to depend on that city as a market for ducks their farms in square mile terms and sell their during July and August? Is the local market in quantity of dressed poultry during the summer been laying in. Then, after a week's rest, season, and are the prices paid for such sufficient to make duck raising profitable?

Season, and are the prices paid for such sufficient to make duck raising profitable?

Season, and are the prices paid for such sufficient to easily makes another nest and kept the same as before the prices of the prices

Trouble Supplying Demand

classes of poultry to breed and raise. First see that you obtain eggs from a good reliable breed. I prefer the White Aylesbury. Unless you can rely on your raising the least developed branch of the poultry own stock, select the most even shaped eggs of a seaindustry. Exactly why this should be is not clear to the average individual. Reference to sible, on the ground, not in boxes.

week in this journal, does not indicate a condition of affairs similar to that pertaining to our other lines of live stock. The industry is not handitated and one hen can take charge of the three plies the necessary moisture to the eggs. I test the broods. The incubation of duck eggs takes from eggs several times with an egg tester, and remove the lines of live stock. The industry is not handitately appeared by low prices as cattle feeding and hog the eggs should be carefully examined and slightly capped by low prices as cattle feeding and hog the eggs should be carefully examined and slightly raising is. Comparison of the prices paid for cracked at the thick end of the shell as the shells are After they are hatched put the hen in a comfortable poultry in Winnipeg with those paid in our thicker than chickens' eggs and the beak of the young coop, on the grass, and make a wire netting run, for the ducks in front so that they may not wander far eastern Canadian markets, and for ducks particu- duckling is not strong enough to break through. As the ducks in front so that they may not wander far larly, shows a good advantage in favor of the soon as all are hatched place the ducklings in a coop away and meet with accidents. Feed them on larly, shows a good advantage in favor of the with the hen. No food should be given for twenty-western grower. The fact of the matter is that four hours. At the end of that time give them a little cost in the east, plus, the charges for bringing it together with plenty of clean drinking water in a pan mash consisting of shorts, chopped oats and barley here.

When fattening, I keep them shut up and feed a mash consisting of shorts, chopped oats and barley water.

Ducks can be fattened and made ready for market Aside from this, the duck business offers some at ten weeks. The main point is to have a good other advantages peculiar to itself. Ducks are supply of ducklings ready about the time green peas notoriously the least subject to disease of any come on the market, when the price is generally \$1.00

The percentage might astonish some who consider the business too insignificant to receive attention.

Should one not care to kill so early, and let the ducks mature, I would advise killing about the end of October and placing them in cold storage for about three weeks before Christmas. By October, they published in this issue. They are written by should weigh seven to eight pounds, and at the price ready for market, if they have been properly fed.

Advises Early Broods

EDITOR FARMER'S ADVOCATE:

Duck raising, I consider a profitable branch of

with the least amount of feed. The feathers of ducks are more valuable for pillows and eiderdowns than fowl feathers, therefore care should be taken when plucking to keep them scrupulously clean. The large

A good many people complain of their ducks being taken by coyotes when they wander away for water Mine never go away for water, because, when the nearby slough dries up, I supply them with a large pan of water to drink in. I train them to go into a shed at night and they soon come in at night of their

The way I manage my ducks is this: I keep the large White Pekins as they mature early. run two or three ducks to one drake, and during the breeding season have a small slough near the house for them to swim in. This slough dries up in the middle of the summer. Then I have to supply them with plenty of water in a large pan. The duck generally lays her eggs early in the morning, in a nest on the ground. To find the nest you have to frequently watch her as she generally conceals the eggs and nest after she has laid. I gather the eggs and keep them Grabham, Saskatchewan. We would like some in bran till I have enough to set under a hen, but I further information on the marketing of ducks. Is am careful always to leave one or two of the duck's it advisable for the duck's eggs in the nest, otherwise she may forsake it and build another. When the duck has laid her first clutch she becomes broody, and if I wish her to lay most places large enough to handle any considerable another lot, I break up and destroy the nest she has been laying in. Then, after a week's rest, she generally makes another nest and lays again. The eggs should be gathered and kept the same as before or you may lose them if dogs, pigs, or snakes happen to find the nest. After the duck has laid this second lot and become broody, remove her after dark, to the shed where you intend her to set. I once let a duck sit on eleven eggs, on the nest she laid in, as it was in some Ducks are one of the most profitable and easiest bushes not far from the house, and for three weeks she was alright, then only two or three nights before hatching a coyote took her and her eggs as well.

A duck will cover eleven or twelve eggs, but a hen should have only seven or eight, and I find in this ble, on the ground, not in boxes. when sitting, leaves her eggs for food and water and Ducklings do not require much warmth when generally returns with her feathers wet, which supbread and rolled oats for ten days, with plenty of clean drinking water, but not milk, as that is not good

here.

In these circumstances ducks figure into a profitable branch of farming, and one in which there is little danger of our supply ever glutting together with pienty of clean drinking water in a pan or trough. Ducklings do not require water for swimming, but see that the drinking water is kept swimming, but see that the drinking water is kept swimming, but see that the drinking water is kept swimming, but see that the drinking water is kept swimming, but see that the drinking water is kept swimming, but see that the drinking water is six dup with boiled potatoes, buttermilk, house scraps and green lettuce. Young ducks should be perfectly fresh and let them have all the green food there is little danger of our supply ever glutting the same of the supplies of the supplie

Has Trouble Marketing

Ducks are very easily raised, but at the same time this respect depends on the fertility of the eggs set.

by any chance a young duck should become chilled,