lub

lbert, Sec.

Thomas, Ont.

h as ploughing, very low price. s: traces, steel h trace carriers

357.00

dealer will not

preading

ope~

rson

ANURE

; J. Clarke &

olished 1866.

APRIL 22, 1920 Brooding and Feeding of

(Experimental Farms Note.) Brooding methods have undergone considerable changes of late. For small flocks the portable hover is undoubtedly the most satisfactory, but even with comparatively small flocks some are now using stove brooders. The advantage of these stoves is that they can brood large flocks at a comparatively small The pipe brooder was the system that was formerly used on large plants and is still quite largely employed. It gives excellent satisfaction but is so expensive to install that the stove brooders

Chicks.

are largely supplanting it. These stove brooders can be used in any ordinary colony house, thus avoiding the necessity of a special brooder house. They are made in different sizes and will accommodate either large or small flocks. Five hundred chicks can be attended in a colony house with almost as little labor as 50 in a small brooder and the

additional cost is comparatively low.

When the chicks are removed from the incubator, care should be taken to avoid chilling them. The brooder should be so heated that they will be able to get a temperature of 100 degrees.

If the hovers are heated to 90 or 95 degrees before the chicks are put in them, the heat generated by the chicks will bring it up to the desired temperature. The idea is to give the chicks as low a temperature as is consistent with their comfort. The temperature should be gradually reduced but never so quickly as to cause any discomfort to the chicks.

With the brooder stoves the chicks can select their own temperatures. If they want a little more heat they can get a little closer to the stove, if they get too warm they can spread out a little more. It is advisable when the chicks are first put into the house to make a ring around the stove in which the chicks are confined until they become used to their new quarters and get accustomed to the source of heat, then the fence may be removed. For this purpose a strip of ready-roofing-half widthanswers to perfection, as it is easily handled and it breaks the draughts, which are liable to be along the floor and which are one of the dangers that should be guarded against in this method of brooding.

Feeding — When the chick is hatched it comes into the world with a sufficient supply of nourishment in the form of egg yolk to last it for several days. What a chick requires at the start is not feed but warmth and rest. When the chicks show positive signs of hunger, which will be in about two or three days, give them a feed scattered on a little coarse sand or chick grit. For this first feed, hard boiled egg and bread crumbs in the proportion of about four of bread crumbs to one of egg is used. Feed little and often alternating this feed with scratch grains and dry mash. Supply tender green feed such as lettuce or something Similar. After the first week hoppers of dry mash should be kept before them and by the time they are about ten days old, the egg feed may be discontinued. Place grit, water and a dish of sour milk where they will have free access to them. Nothing provides animal food in better form than does sour milk.

Mud Turtles.

Fin a recent issue of "The Farmer's Advocate", a subscriber was inquiring about destroying mud turtles. One way is to put out a lot of hooks and lines baited with fresh meat. A float should be attached so the hooks will be from six to eight inches from the bottom of the pond. Another method is to put boards on the water, on to which the turtles will climb. In the early morning, or just before dark, a good many of the turtles may be killed by the use of a rifle.

EDITOR "THE FARMER'S ADVOCATE":

"The Farmer's Advocate" is, in my estimation, the only real farm journal for a real or intending farmer. Its advice is worth more to me than I can say in writing, and I should be lonesome without a without it.

Missisqual Co., Que. H. J. Webster.

GIVES THE BEST RESULTS OBTAINABLE Obtain from Your Dealer or write to

THE WILLIAM RENNIE COMPANY LIMITED King and Market Streets, Toronto





GARDINER BROS., Feed Specialists, SARNIA, Out.

No More Blackleg

Calves once vaccinated with Continental Germ Free Blackleg Filtrate are safe from Blackleg for life.

Write for Booklet, which contains valuable information on Animal Diseases, Breeding Tables, HorniTraining, Branding and Marking Appliances, and other stock subjects. It is free.

ONTARIO VETERINARY & BREEDERS' SUPPLY LIMITED 223 Church Street - Toronto, Ontario Eastern Distributors for Continental Serum Laboratories Co. of Muscatine, Iowa, Products

LARKIN FARMS, QUEENSTON, ONT.

ABERDEEN - ANGUS CATTLE, SHROPSHIRE and SOUTHDOWN SHEEP

CORRESPONDENCE and INSPECTION INVITED

(Mention Farmer's Advocate)

WALNUT GROVE SCOTCH SHORTHORNS

We are offering choice young males and females from the best Scotch families and sired by Gainford Eclipse and Trout Creek Wonder Ind. If wanting something real good, write, or come and see us DUNCAN BROWN & SONS, Sheddon, Ont., P.M., M.C.R.

SHORTHORNS-CLYDESDALES Just one bull left, 0 months old; sire, Lochiel (imp.); dam on the R.O.P. Pure Scotch. Stallion colt, sired by Baron's Stamp. Fillies rising 2, 3, 4 and 5-year-old. Come, see, and be satisfied. Brooklin G.T.R. and C.N.R. Myrtle C.P.R. WM. D. DYER, COLUMBUS, ONTARIO

20 Bulls — SPRUCE LAWN—100 Females Clydestates, Shorthorns, Yorkshires. Herd 122384, a Rubyhill, bred by Fard of Northbrook, by Ascott Challenger, bred by L. De Rothehild. Special bargains in Latiner's bulls. Cows and heliers in call, we give and helier calves. Yorkshires either sex. J. L. and T. W. McCAMUS, Cavan, C.P.R.; Millbrook, G.T.R. and P.O., Ont.

Longevity of Aberdeen-Angus

Old Granny lived to be 36 years old and produced 25 calves. There are many cows "old enough to vote" that are producing Aberdeen-Angus calves to-day. A 14-year-old registered Aberdeen-Angus cow recently sold for \$4,000 with calf at side. Aberdeen-Angus excel at longevity and ability to reproduce many times. Write for "History of Aberdeen-Angus."



AMERICAN ABERDEEN-ANGUS BREEDERS' ASSOCIATION 817 Exchange Ave.,

SUNNY ACRES

Aberdeen - Angus

The present string of young bulls for sale includes some classy herd bull prospects, winners themselves and sired by champions. If interested in Angus, write your wants. Visitors welcome.

G. C. CHANNON, Oakwood, Ontario P.O. and 'phone. Railway connections: Lindsay, C.P.R. and G.T.R.

Messrs. A. J. Hickman & Co. Halse Grange, Brackley, England

Exporters of all Breeds of Pedigree Live Stock

Send for an illustrated catalogue and see what we can do for you. Whether you want show or breeding stock, buy direct from England and save money.

GLENGORE

Aberdeen-Angus

Do not miss the opportunity to secure some of the choice males and females of wonderful smoothness, quality and strain type that are being offered by GEO. DAVIS & SONS. R. R. 1, Erin, Ontario Herd sire a son of Black Abbot, Champion Angus bull of Canada. Write for particulars.

Aberdeen - Angus

Meadowdale Farm

Forest, Ontario

Mathews

H. Fraleigh Proprietor

ALLOWAY LODGE STOCK FARM

Angus, Southdowns, Collies Choice bred heifers. Bulls 8 to 15 months. Southdown ewes in lamb.

ROBT. McEWEN, R. 4, London, Ont.

Balmedie Aberdeen-Angus Nine extra good young bulls for sale. Also females all ages. Show-ring quality.

THOS. B. BROADFOOT, FERGUS, ONT. Sunny Side Herefords — Herd headed by Brummel's Chance (imp.), Champion at London and Guelph, 1919. For sale: Three bulls, 10 to 15 months old. MRS. M. H. O'NEIL & SONS, Denfield, Ont. R.R. No. 4. 'Phone Ilderton.

ATENT SOLICITORS Fetherstonhaugh & Co. The old-established firm. Patent everywhere. Head Office: Royal Bank Buildings, Toronto. Ottawa Office: 5 Elgin Street. Offices throughout Canada: Booklet free.

PATENTS Canadian, Foreign.
Booklets Free.

EGERTON R. CASE, M.C.I.P.A. (Lond.) 10 Adelaide East 11 TORONTO

EGISTERED Stallion May 30, 1917. Sire, .) 12646—16310. Dam, 20719. A good horse d see him.

Bowmanville, Ont. TED PERCHERON ite at once.