The Weekly Monitor and Western Annapolis Sentinel, Bridgetown, N. S., August 23, 1916

| laid out system the necessity will not sites which were parastic not only fresh foliage spread over it, which days later the eggs hatch and the don and Morden report that wheat

upon the brown-tail moth but also draws up all the live caterpillars. The newly hatched larvæ commence to prospects have deteriorated during the

caterpillars have left the webs, the ground during the winter. The adults crop is a very good one. Roots have

the empty webs removed. The cater- about the first of June feed for a few the next few weeks. Corn is poor.

Our Poultry Corner

If you have some things you do not understand in connection with your in localities into which they have not mosquito netting is rolled back and emerge from their winter quarters started well, but much depends upon poultry and want some information, state your case briefly and to the point, had sufficient time to spread. writing on one side of paper only, and address it to THE MONITOR PUB- On account of the compar-On account of the comparatively pillars are then fed three or four days and then the females deposit Poatoes are healthy, but are not set-LISHING COMPANY LIMITED, we will submit it to Prof. Landry, and when light and widespread area of infesta-times daily until the emergence of the their eggs in the ground. A single ting well because of the drought. The J.M. Owen K.C. Daniel Owen L.L.E. his answers are received we will publish them withholding your name if you so tion of the brown-tail moth in Cana- parasites is noted. A second mosquito- female has been recorded as laying as crop is likely to be light. da, it was necessary to select para- netting is then placed on the tray and many as 653 eggs. From three to ten Manitoba:-Telegrams from. Bran-

WINTER LAYING

The Farming

occur. Basis of All Successful Egg Another factor which enters strong- upon native insects, otherwise the second netting together with the cat- feed attaching caterpillars or pupae re- first few days by an attack of rust.

No poultry farm can hope for a great success on either a commercial egg or breeding plant basis unless the ficiently early hatched to permit their production of winter laid eggs and the attaining maturity by the early fall founding of a strain with strong months. It is this that makes the winter laying tendencies is given con-Leghorns especially suited to the purstant thought and effort. Here is where poses of egg farming. Leghorns prothe margin of profit lies in the produced as late as the last of June, may duction of commercial eggs, and your ability to send out to your customers fall producers. In working with the heavier breeds the ideal hatching seadency in this direction will very son covers only a very limited time, largely determine your financial sucand birds to give the best results mast cess in the breeding business later on. be brought out in February and March To accomplish this to a marked deusually under very unfavorable congree is a matter of some years of efditions for either hatching or broodfort but patient work in the right diing. Of couse, the ideal p -riod with the rection, with a well laid out plan, will Leghorns is, in most localities, from most certainly bring about the desired April 1st to May 15th. Where circumconditions, and the fact that a steady improvement will be noted even from chicks desired during this period the first makes a constant incentive to however, good success can be had

The fact must also be squarely faced that there is no standing still in the poultry business. The plant or flock which is not constantly on the up grade toward better conditions and better production, is certain to be on the down grade, and unfortunately the trip down is made much more rapidly than the trip up.

It is in assuming a steady progress in the right direction and as a safe-

iv into both good fall and winter pro chances of the parasites becoming erpillars is then transferred to an- gardless of size. The larvae moult From Brandon it is reported that cut- Office in Middleton open Thursdays. (By L. A. Waldo, in the Poultry Item) duction, and also into the matter of in- firmly established would be greatly other tray is closely three times and then pass into the ting will be general by August 10. Office in Bear River open Saturdaya telligent selection of birds from their reduced. Two species of parasites, examined for the Apanteles cocoons, ground pupate and hibernate as adult Oats and barley are a heavy crop and records, is the time of hatching. Pul- Apanteles lacteicolor Vier and Com- the dead foliage being turned over beetles during the winter. The most uninjured. A heavy crop of hay was Money to loan Real Estate Beenry lets to do well as layers must be suf- psilura concinnata Meig., and one leaf by leaf and the cocoons removed satisfactory method of colonizing these, harvested during July. Corn is doing

Colonization in Canada

(Continued from page 2)

FIG. 2. Showing the method employed in shipping the cococns of Apantelet to Canada for colonization.

with the Leghorns from hatches over predacious beetle Calosoma sycoph- carefully by forceps to glass vials. The beetles especially when they have to the entire period of February 1st to anta L., seemed to be suitable to ful- cocoons are placed in an ice chest to be shipped to any great distance is to hay, though excellent for roots; corn retard the development of the adults collect them in the adult age. Both has suffered badly. Cereal crops are July. Under such circumstances the fill these conditions. early hatched chicks, those hatched Apanteles lacteicolor is a small until it is time to colonize them in the the beetles and larvae are great climbprevious to April 1st, should be allow- hymenopterous parasite measuring field. When a sufficient number of ers and the most suitable localities for clover is good. At Invermere cereal ed to develop without any forcing only 2.5 mm. in length. The female cocoons are collected they are remov- making collections are in young oak rations whatever, as any tendency to Apanteles deposits an egg under the ed from the ice chest, transferred to woods with the trees three or four force, particularly at about the time skin of the young brown-tail cater- pill boxes, a thousand to-a box, and inches in diameter and where the they are coming into laying is very pillar in the foll. The egg hatches and the latter are placed in mailing tubes gipsy caterpillars are abundant. The golds; the second alfalfa crop is comlikely to produce a molt. To bring the young parasitic larva develops which are forwarded to the point of sapplings are given a kick and any ing on well. From Sidney it is rechicks hatched later than May 15th slowly during the fall in the body of liberation. During the past three beetles that may be feeding are jarred ported that beneficial rains fell during Offices in Royal Bank Building into good fall laying a slightly forcing its host remaining passive within the years 67,500 Apanteles lacteicolor co- off and fall to the ground. The collec-

well. At Morden the weather is dry and CHAS. R. CHIPMAN, LL. H. conditions will be serious if rain does not come soon, BARRISTER. SOLIOITOR Saskatchewan and Alberta .-- Weather conditions of July have been generally favourable, although hail- Shafper Building, - Bridgetown storms have done local damage. Grain especially on breaking and summer fallow. Grain on stubble is not so good and there will be a greater difference between stubble and fallow grain than last year. In southern Alberta crops are all good to excellent, and harvesting will commence sooner than was expected a month ago. Wheat cutting is expected to begin about August 20. Hay, roots and

erpillars killed by a single beetle in a and owing to the dry weather the

season was 328. The beetles live from straw will be short. About three quar-

two to four years hibernating in the ters of the hay is harvested and the

British Columbia:-At Agassiz the growing well; the second crop of Money to loan on first-class crops are good and are ripening fast. Field peas are exceptionally heavy;

BRIDGETOWN, N. S.

crops continue to show fine promise AGENT FOR CALEDONIAN IN-Telephone No. 52. potatoes are good.

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Hermann C. Morse B.A., LL.B. BARRISTER, SOLICITOR and NOTARY PUBLIC

Real Estate

INSURANCE AGENT

Page 3

Professional Card

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MONEY TO LOAN

guard against slipping back that the trapnest finds its greatest value. Any workable system intelligently applied will do'a great deal toward flock improvement, where trapnesting is impossible, but no other method can possibly be devised or operated which

accomplished by using a rather heavy during the winter. Upon the appear- for colonization. proportion of wet mash, feeding two or three feedings of it each day moistened with skim milk if possible, throughout the entire growing period but at really eliminates the risk of serious range and exercise as possible, to prethe same time giving as much free vent their coming to maturity with

The average poultryman in considering egg production, and the possible profit to be derived therefrom, is very lection for laying and breeding pens, liable to overlook the importance of winter production. It is not only possible but true, that many birds in a flock which are only moderate layers, considering the comparative annual records, may still have yielded a larger net profit in commercial eggs size, as a general rule goes hand in

than birds of considerable higher an- hand with good vigor. Note carefully, The maximum cost of feed per size for the breed, and believes that month for leghorns should not be over | it is a serious mistake to endeavor to twelve cents and three eggs per bird breed oversize. If change to a heavier per month in October, November or breed, but no attempt should be made December will usually offset feed and to grow oversized birds. The writer a really reasonable production of from has never seen an instance of breedtwelve to fifteen eggs per month at this season will yield a fine profit, the

of twenty-five per month during it always eventually results in losing

laying well in the early months are good results to compensate therefor. also the heaviest annual producers, but The day has passed when crosses this does not necessarily follow and it for utility purposeare to be considered is by no means safe in building up a at all. Nothing can be gained in either strain to depend on this as a rule. Be- size, production or vigor by first cause this winter laying tendency is crosses between breeds, which cannot desirable is no reason for neglecting be better accomplished by proper matto also work for a good spring and ing within the breed, and the ultimate summer production. In fact a good late results of crossing is bound to be monsummer production is almost as es- grel stock .

sential as winter laying, and it is a The production of a strain of high point in which many flocks, otherwise producing winter laying birds, is just good layers are weak. There is no as much of an art as the production of reason why, although individual hens blue ribbon show room winners, and may not all be capable of doing it that the real utility poultryman has just the flock as a whole may not be so as good a claim to the name of breed-showing adult fly and puparia. bred that every calendar month of the er as the fancier. To the writer's year will show at least production mind at least, his accomplishments

enough to cover all feed and labor deserve far greater praise and are of costs. Many poultrymen who are much much greater value to the industry. elated over fine production at certain This fact is now rapidly coming to be their books that they have shown means the culls from the fancy profeed bill for at least four months each of the poultry public. year.

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In arranging your breeding, your the highest grade of utility birds from efforts should be aimed toward the the matings of the fancier as it is to very best possible results, and you, breed a herd of cattle which will retherefore cannot afford to neglect tak- present the top notch in beef and milk ing into consideration all these im- qualities at the same time.

portant points. To work consistently toward this end it will be necessary that every bird used in the breeding pens shall be, on female side, a good

undersized growth. The writer believes that in all seand for winter laying especially, an endeavor must be made at all times

to keep the size of the individuals in the flock well up to the maximum for the breed, so as to give good capacity for work. It will also be found that ance of spring and the bursting of the; Compsiura cloncinnata is a tachi-junder any leaf, piece of bark, stone leaf buds, the caterpillars emerge from .nid fly resembling somewhat the com- etc., and remain perfectly quiet. The their winter quarters and commence mon house-fly but slightly smaller. It beetles are shipped in colonies of 100,

however, that the writer says good feeding upon the opening buds. The differs from the house-fly in that it is fifty males and fifty females. They parasites likewise awaken from their always a parasitic insect and does are placed in small wooden boxes long rest and start to feed upon the not normally enter houses. The female covered with wire mosquito netting body of their host; they first devour fly deposits a newly hatched larva be- and packed in damp moss. In this after the second moult, they kill the or gipsy caterpillar in the spring. In travel great distances with a very ing for extreme size which has resultcaterpillar and emerge from its body. about two weeks the larva kills its low percentage of mortality. So far ed favorably to either egg production equivalent of that produced by a yield or fertility. Whenever it is attempted After emerging the parasite spins a host and emerges as a maggot, which 3,400 adult beetles have been forward-

the breed characteristics, with the con-In many cases the birds capable of sequent damage to production, and no

THE ANNUAL CLEAN UP.

silken cocoon about itself and about ten days later emerges as an adult insect. Apanteles lacteicolor has two periods, will find upon examination of recognized and the idea that utility or three generations a year; after emerging from the brown-tail caterpractically no production against the duct is fading rapidly from the mind pillars it may atack either the gypsy, Datana or Hyphantria caterpilars, the It is just as impossible to produce

second or third generation carrying them through until the young browntails have hatched in the fall. It is while the parasites are in the cocoon stage that they are forwarded to Canada for colonization. During the winter months brown-

tail webs are collected from points where Apanteles lacteicolor is known

It is time for the annual clean up. to be firmly established and fairly winter layer, a good spring layer, and As soon as the breeding season is over abundant. The webs are then placed

ration should be used. This may be body of the hibernating caterpillar coons have been forwarded to Canada tor needs to be alert as a beetle on ing late, spring cereals and forage

reaching ground will rapidly crawl roops are growing well. A portion of Veterinary Surgeon and Dentist

CANADIAN PRISONERS OF WAR

Two thousand Canadians are prisoners of war in Germany, according to the latest figures available. The first exchange agreed upon in the case of those utterly incapacitated was carried out three months ago, and the British prisoners taken to Switzerland, not as prisoners, but as invalids who would benefit by re-

initial exchange few Canadians were included.

So far as the Militia Department is Funeral Director and Embalmer aware, there is no Canadian represen-

tative in Switzerland unless one has been detailed from London. The Canadian Prisoners are treated as British the less vital portions but finally, soon neath the skin of the young brown-tail way they are kept damp and can and are looked after by the British furniture warerooms. Phone 76-4 authorities

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FIG. 3. Feeding caterpillars of Gipsy moth on oak foliage in Fiske tray to obtain puparia of Compsilura. Remains of caterpillars that have been parasitised and puparia may be seen among the healthy caterpillars.

soon forms a puparium about itself. ed to Canada.

Ten days later the adult fly emerges

from the puparium. Compsilura has



Sept. 30, 1914-t. f. Phone 23-31

Dr. F. S. Anderson DENTAL SURGEON Graduate of the University Maryland; Hours:-8 to 5.

cuperation in the mountain air. The Office:-Queen Street, Bridgetown work is directed especially by the International Red Cross Society. In the

EDDY'S

two or three generations a year and is recorded as having about fifty dif- Ottawa, August 2nd, 1916.- A special ferent species of insects as hosts. On press bulletin issued to-day by the account of the often times severe Census and Statistics Office reports poisoning contracted by handling the on the condition of field crops in brown-tail caterpillars, Compsilura is Canada at the end of July, as sumreared from the caterpillars of the marized from telegrams received from gipsy moth. The gipsy caterpillars are the Dominion Experimental Farms collected after being parasitised, in and Stations in accordance with arthe field, brought into the laboratory rangements made between the Departand placed in trays. The caterpillars ments of Trade and Commerce and are fed on white oak foliage which is Agriculture.

kept fresh and palatable by placing Prince Edward Island .- All crops the stems in bottles of water. A daily have made strong growth; hay is an

average crop; potatoes and roots look well. Nova Scotia:-Cereals have made

FIELD CROPS REPORT

good growth; corn and potatoes are good; turnips are fair, but mangolds poor.

New Brunswick:-All crops have made good growth, except where damaged by June floods; hay much above the average; grain mostly headed and indicates an average crop; potatoes and roots promise well.

Quebec:-All reports agree that the hay crop is very abundant, and of good quality. Grain crops have suffered considerably from drought during the month, and apparently the harvest will be earlier than usual. Potatoes are reported as good, except from

FIG. 5. The Calosoma Beetle, Calosoma sycophanta showing eggs, larvae and pupa of the beetle and an adult bettle devouring a Gipsy Moth cater-have suffered from drought, and from have suffered from drought, and from Cape Rouge, where they were hurt by



a good late summer layer and that the and the old hens disposed of the year- in cold storage to retard the emerg- examination of the trays is made, the too much rain. Corn is reported as domale birds shall be from similarly lings should be gradually culled until ence of the caterpillars until the wild Compsilura poparia removed and plac- ing well. bred birds, or still greater laying re- just the number required for next cherries have developed leaves in the ed in a glass vial in the ice chest. Ontario.-In the peninsula (Essex

cord if possible. year's breeders are left. Where pos- spring. When the cherries are in full When a shipment is to be made the Co.) a large crop of hay has been har-Breeding from pullets is always un- sible those held over should be either leaf the webs are removed from cold puparia are moved and packed in a vested in splendid shape. Wheat and desirable on account of immaturity, turned on to free range or put into storage and placed in trays. The trays small wooden box containing damp barley are harvested, but are not usual lack of stamina in offspring, and fresh runs, so that the old runs may are rectangular in shape with wooden moss. Fifteen thousand puparia have quite a standard yield. Oats will be the danger of gradual decrease in size be renovated. The best way to do sides about six inches in depth. The been forwarded for colonization dur- below average. Corn and hoed crops of the eggs produced by the progeny. this is to plough and seed them, as upper portion of the inside of the tray ing the past three years and these are fair though later than usual. In This undesirability is further increas- nothing will freshen land like a good is covered with "tanglefoot" to pre- were obtained from 146,000 gipsy cat- Eastern Ontario crops are suffering ed by the fact that with pullet mat- rich crop. For this purpose nothing vent the escape of the caterpillars, the er-pillars collected in the field. from lack of moisture. Wheat is little ings one never has had an oppor- is better than rape as it is a strong bottom of the tray being covered with Caosoma Sycophanta is a brilliantly grown; its condition is fair and it is tunity to give the breeders any suit- grower and makes the very best of cloth drawn tightly and pasted to the coloured green beetle measuring a beginning to ripen. Barley is poor, able test for efficiency before plac- green feed. Where it is protected by sides. The webs are covered with little over an inch in length. It is rather late and very uneven. Oats, the ing them in the breeding pens. Pullet snow it will come through the winter mosquito netting upon which cherry predacious in its habits and feeds most important crop of the district, matings should be resorted to only as and make splendid picking for the leaves are placed as food for the readily on nearly all species of cater- shows great divergene, some crops bea matter of necessity, and with a well breeders in the spring. emerging caterpillars. When all the pillars. Experiments show that the ing far advanced, others only a few

