INSPECTOR ARCHIBALD TELLS OF GOOD WORK BEING DONE AT EXPERIMENTAL STATION

Following is the annual report of Mr. E. S. Archibald, inspector of Experimental Farms on the Frederictor Experimental Station:

The Season.

Although the fields were bare a large part of the winter, there was very little winterkilling in either the orchards or the hav lands. The spring was earlier than usual. Ploughing was begun on April 21 as compared with May 10 the previous year. May was during June, July and August and hay, grain, and all fodder crops except corn, made splendid growth. Pastures was a good crop but the wet weather the crop was too mature when cut. Grain was late ripening and badly fill ed. Harvest was difficult as the straw was heavy and lodged badly and the weather was so unsettled that it dried slowly. Roots were a good crop but corn was rather immature when cut. and September favored the spread of fection of the growing crop. potato blight and some fields blightber. The weather during December and raspberries for canning purposes and January was mild and although considerable snow fell, each snow-fall year was largely confined to the prowas followed by a thaw.

Animal Husbandry.

The work under this division consisted of breedings and feeding experiments, keeping cost of production and

of milk production and cost of rear- work. ing young cattle. Bull calves from cows with creditable milk records were sold to farmers for breeding purposes and heifer calves were retained in the herd. The grades are being used in a feeding experiment compar ing the effects of a scanty ration versus a liberal ration to growing heimaturity and the value as milk producers. A series of experiments have been begun comparing heavy versus light feeding of swedes.

Horses-The horses at the station include five pure-bred Clydesdale

is being carried on testing the value hay and grain rotation; an experi- To veil the shimmering murmurous of iodine for pregnant ewes. The rement testing the value of basic slag, not necessary in this district.

bred Yorkshires is maintained. Choice rates of application to a growing or- Mist over glade and copse young breeding stock is shipped to all chard; experiments with commercial Weaving a witchery of the yellowing parts of the province. Poorer quality fertilizer on a bearing orchard; a serstock is retained for feeding trials. ies of experiments testing cyanamia

comprehensive series of experiments grain, and hay rotation; and an ex. Or stream that lingereth including three, four, five and six periment testing different sources of Through tangled willow banks and year rotations, also different treat- nitrogen for a grain crop. ments with manure and fertilizer, corn in hills versus drills.

Horticulture.

Orchard - The orchard came and viability. variety and fertilizer experiments, be- upon the size of eggs. gun in previous years, were continued. In the seventh New Brunswick Egg autumn for the experiment begun the 176.85 points. previous year to obtain a desirable winter apple for New Brunswick con-

Veegetables-Variety tests wer uspended during the year and expenents were begun to determine th easibility of growing canning crop n New Brunswick. One acre of beans one acre of corn and one-eighth acr of spinach were grown for cannin purposes. Data on cost of production vere obtained on these crops but no data were obtained on the canning in

Three varieties of beans werwet and cold, and seeding was not grown, viz., Masterpiece, Hodson Way general until June. Rains were timely and Refugee. The latter two varieties were rather late developing.

Three varieties of corn were grown viz., Golden Bantam, Early Malcoln. were good until late in the fall. Hay and Whipples Golden Yellow, This crop did not mature until the canning retarded harvest and a large part of factory had closed for vegetable canning work. Whipples Golden Yellow was decidedly too late for a canning

The canned product was of poor quality. This was probably due to the heating of the crop while in transit to The warm wet weather during August the canning factory and a midlew in

Small Fruits-Variety tests were ed badly. Apples were a light crop. carried on with strawberries and ex-The fall was wet and open and it was periments were begun to determine possible to plough nearly all Novem. the cost of producing strawberries

> Potatoes-Potato work during the unit planter was tested and suggestions made for improvement. .

Cereals.

Rod-row tests on varieties and continued this year. These now in-Dairy Cattle.—The herd consists of ciude wheat, oats, barley, peas and Ayrshire, Holstein, Shorthorn and buckwheat. A number of varieties of eleven grades. The pure-breds are be- wheat, oats and beans were tested ing gradually improved by breed- in larger plots. A number of varieties ing. Records were kept of the cost of oats was grown for classification

Co-operative Seed Growers' Association.

This Association with headquarters at the Fredericton Experimental Staways, viz., (1) distributing clean home-grown registered seed, (2) functioning as a cleaning plant providing frs on the cost of rearing, the size of accommodation for local farmers who wish to have their seed cleaned. The association and custom cleaning plant are both well patronized by the public. Fertilizer.

mares and two French Canadian tensively used in the province, prob- grain and potatoes as well as puremares. Records are kept of the cost of lems relating thereto are receiving bred poultry and live stock are distrhorse labour and the cost of raising special attention. The work now in buted from the Illustration Stations. cludes an experiment testing ten dif-Sheep-There is an exceptionally ferent formulae applied at three difpure-bred Shropshire ferent rates to the potato crop in a sheep. The best of the ram lambs three-year rotation of potatoes, grain, were sold for breeding purposes. Re- and hay; an experiment comparing Mist in the pearly dawn cords are kept of the cost of maintain- the value of different sources of phos With films of gossamer on drenching pure-bred ewes and the cost of phoric acid when used alone and when wintering ewe lambs. An experiment used with nitrogen and potash on a Mist like a curtain drawn sults to date indicate that iodine is superphosphate, lime and nitrate of Mist where the old road drops soda for improving pastures; expert. Between the larches and the cottage Swine-A breeding herd of pure ments testing different formulae and and urea as sources of nitrogen and Mist that is like a breath Yield and cost of production records ammo-phos as a source of both nitro Blurring the surface of some secret were kept of various field crops. A gen and phosphoric acid on a potato,

have been carried on the past four Feeding experiments included a Suffused at sundown with a smol years. An experiment to determine comparison of beef scrap versus fish the relative cost of production and meal versus skim-milk; buckwheat Mother of luring grays the yields per acre of corn, sunflow- replacing corn in the ration; potatoes And lurking blues of dreamlight and ers, cats and peas, and turnips, when replacing corn meal in the mash: grown under the same conditions, has swedes versus mangels versus pota been conducted for the past six years. toes as green feed; epsom salts as Experiments were also carried on test- a substitute for green feed. Cod liver ing rates and dates of sowing oats, oil, bone meal and liver and combinarates of sowing wheat and planting tions of these were fed to breeding Crabshaw-The worst of living in a hens to determine the influence of small town as I remember it, is that these feeds upon fertility, hatchability you're apt to be talked about.

but the crop was considerably smaller tinued and experiments carried on to seller. than in 1926. Cultural, spraying, new determine the results of breeding

About three thousand seeds of Mc- Laying Contest forty-eight birds quali- The melancholy days are here, Intosh, Golden Russet and Northern fied for registration. The average pro- The saddest that I know Spy seedlings were painted in the duction per bird was 171.54 eggs and Too cold by far to mow the lawn

Forage Crops.

corn, sunflowers, turnips, mangels, city today.

Twitchell's Pride corn—a flint iety-in order to secure a strain vould retain its present early mang qualities, and yield a higher nage of silage. Tests are also being ade of the value of this corn for sing. Each year since 1924 (Twit-

aree years, gave practically the sam

eld as Wisconsin No. 7 and was de

Clover seed from different source has been tested for hardiness during the past six years. The results indi cate that southern European clover eed is not suitable for New Bruns vick. Farmers should endeavour to purchase Canadian clover seed. The alfalfa experiments seem to indicate that this crop can be grown successwhich were sown under field conditions in 1925 came through the winter

Apiary.

Experiments were carried on with package bees in comparison with over wintered colonies. The results to date indicate that when packages are received the last of April they will build up sufficiently to produce an verage crop of honey.

In experiments on swarm control he best results were obtained from ater. Experiments were also carried ent types of packing cases, wintering n cellar versus in packing cases, nethods of queen rearing and swar:

Fibre Production.

The work this year included varety tests of flax, dates of seeding retted broken and scutched at the Sta-net was also broken and scutched. A num-Station where it was deseeded, rette!, Pacific as is well known not only ion. broken and scutched.

Illustration Stations.

Eighteen Illustration Stations are upervised from the Fredericton Experimental Station. Crop rotations and better cultural methods are demonstrated. Fertilizer and lime tests are As commercial fertilizers are so ex- also conducted. Considerable seed

AUTUMN MISTS

(From The London Observer)

O tender, clinging haze

--ARTHUR L. SALMON

PARLOUS TIMES

Suburbs-Its worse nowadays when through the winter in good condition Pedigree breeding work was con- you're likely to be put into a best

PLAINT OF THE MODEL HUSBAND

Too warm to shovel snow.

Variety tests were conducted with H. O. Muir of Moncton is in the

rots, sugar beets, rape and kale. THE ASSETS OF THE CANADIAN PACIFIC RAILWAY CARRIED ON BOOKS AT SMALL FIGURE

Earnings of the Canadian Pacific swns a railroad stretching across ell's Pride grown at this Station has Railway Co. are reflecting the gentue Dominion from the Atlantic to Concede your music to the season's on shipped to Harrow Experimen- eral prosperity in Canada and the the Pacific and through subsideries Station and crossed with Wiscon carrier will show record gross rev operates 5,100 miles in the United The days are prouding high with No. 7-a dent variety. The hybra, enues for the year. This heavy in hen grown at Fredericton the past crease in income is due to the nercial enterprises. The road owns Go down, you blackbird with greater mining activity, larger in great acresges of land ince ding farm austrial operations and business expansion and the record grain move- lotels; 60 or more coastwise and ment as a result of the largest wheat erop in the country's history, says both the Atlantic an! the Pacific; Earnings of the company for the full year will approximate 15 a share hering and Smelting Co., one of To quaver tears sigh worlds of pason the approximately 3,000,000 ordin whose mines contains the largest, ary shares, according to estimates known body of zinc lead ore in the Treble the descants of a thwarted based on the first nine months' report and the expected gains in the timber rights and lands; stock yards Crying of One who lit an April dew 'ully in New Brunswick. Several acres final quarter of the year. It is pregrain elevators; and telegraph, ex- With love's assurance: "Where are dicted that net profits before fixed press and news services etc. charges will opproximate \$60,000,000 n fair condition and gave fair yields and that net income after all charges and preferred dividends will be better than \$45,000,000 which will riva! record figures of 1917.

ance of \$31,407,320 a.er preferred market value of over \$72,000,000; dividends and all charges equal to coal and petroleum rights are car-\$12.08 a share on the shares of ordinary stock. Gross in though income received last year For the first nine months of this under lease totaled \$908.907; large engared with \$11,495,241.

addition. Gross revenues in the net earnings in 1926 of \$985,000; ests of hemp and assisting neighbour. in 1927 and represented the largest \$1,800,000 a year does not appear in ng farmers to grow flax in order to increase in that item in any month the balance sheet at all. It is well ret an idea of the commercial possi- this year. With these figures at known that the total capitalization bilities of this crop. All the flax grown hand the indications are that the of the company is not over 70 per at the Station and that grown by final quarter of the year will show cent of the cash directly invested in neighbouring farmers was deseeded, an increase of about \$3,000,000 in railroad property.

States but also controls various comand town lands; a charm of famous But I have song stuff for a deeper ce n steumships operating across To shake the spaces of the moonless the Wall Street News, which adds: mining enterprises including 48.9 per To thunder blame upon miscarried cent of the stock of the Consolidated world; extensive coal, oil, gas and

The management of this road carries its assets at a very small figure For instance the company carries its Consolidated Mining and Smelting shares at their cost of about For 1927 the road reported a bal- \$6,785,000 although these have a 2,600,000 ried on the books at \$1 apiece alcome totaled \$201,145,752 in 1927. fr in only a part of them, which was the gross was \$156,568,183 as holdings of timberlands are carried curpared with \$1:),183,933 in the at only \$3 an acre; town lots in Sing period in 1917, while not each Western Canada are carried on the egs for the period were \$31,225,285 books at about \$17,500,000 although the properties adjacent to Vancouver The October 131); which will be are alone worth over \$20,000,000; released the latter part, of this small value is assigned to the comnorth will also make in impressive pany's 16 hotels, which contributed month were \$26,904,000 compared while telegraph service which is with \$21,083,000 in tre same period supposed to be bringing in about

Reports are current that the Can-The increased earnings, however adian Pacific is planning a big minare not the only factor which makes ing program possibly through a Conber of farmers in Charlotte county the Canadian Pacific apepar impressional solidated Mining and Smelting. grew one-quarter of an acre of flax sive for there are the huge assets This company holds ground in almost the camera close to the fish to make each. This flax was shipped to the cohporation. The Canadian every new mining camp in the Dominis seem larger, never include the

HARVEST

(From G. K.'s Weekly) Go down you blackbird, into fields.

sweet concern

night;

Spring;

sion through

you now to fling

O'er these old flowers a mocking last adieu?"

H. WADSWORTH HAYWOOD

WOMAN SO **NERVOUS COULD** NOT SLEEP

Tells How Lydia E. Pinkham's Vegetable Compound Helped Her

Masson, Que.—"I was very nervous, so nervous that sleep was almost impossible and I was all run-down. I saw your ad in the paper and have taken eleven bottles of Lydia E. Pinkham's Vegetable Compound. I could not wish to feel better than I do, and I recommend it to all."—Mrs. DEL-PHINE LAFRAMBOISE, Masson, Quebec.

New Carlisle, Que.—"I took Lydia Pinkham's Vegetable Compound for a run-down system and it helped me. My nerves are better and I have a good appetite now. The Vegetable Compound has been of great benefit to me and I will answer letters from women asking about it."-Mrs. WILwomen asking about it."—Mrs. WIL-ME BUTTLE, Jr., New Carlisle, Quebec.

Photographic Hint: When placing hand that is holding the fish.

JOB PRINTING

All Work Guaranteed Finest Quality and Artistic Workmanship The Largest Plant in the City

We Aim To Satisfy The Most **Exacting Customer**

LETTER HEADS PROGRAMMES ENVELOPES CIRCULARS BILL HEADS WEDDING INVITATIONS REPORTS POSTERS CARDS BOOKS BUTTER WRAPPERS HONEY LABELS LEGAL FORMS **AUCTION SALE HANGERS** and all other JOB PRINTING WORK

Come in and see our samples of any of the above Orders by Mail Promptly Attended to

No Job too large or too small to receive our immediate attention

Mail Printing Co.

FREDERICTON, N. B.