

FARMERS IN SESSION.

Many Important Topics Discussed at the Convention.

A RESOLUTION ON THE PROPOSED AGRICULTURAL COLLEGE.

Practical Talk on Poultry Raising by an Expert.

PLACE OF MEETING DECIDED UPON FOR NEXT YEAR.

At Wednesday afternoon's session Prof J. H. Grisdale, of Ottawa, spoke on soil fertility. The first principle he laid down was that to obtain good results on a farm it must be through the growing of crops and to have good results we must have our crops feel perfectly at home in the soil in which they are planted. It is necessary to have in our soils plenty of decaying vegetable matter called humus. In our sandy soils humus makes the soil firm and assists in holding moisture. In clay soils it has a tendency to lighten the soil, which is very necessary. This humus is to be found in our virgin soils and we always find it on the surface. Experiments show that crops do best where the humus is kept on the surface. He thought a good many farmers made a great mistake in farming their soil, which is their chief source of humus, too deep. The young plants want it to feed upon.

Simpson Rennie, of Toronto, spoke upon relation of crops and their cultivation. His rotation is an eight years one and begins with oats on sod the first year; second year peas, third year wheat, fourth year hoe crop, fifth year barley and seed down, sixth year clover, seventh year Timothy, eighth year pasture. He detailed the cultivation he gave each crop. He believed in applying the manure just before the root crop. The advantage was that the cultivation required for the growth of roots destroys all the weeds that might come up from the manure. He considered it very important to keep these weed seeds down. He believed in deep cultivation in his corn or root crops in the early stages of their growth. He would leave the roots from 18 to 24 inches apart. Potatoes should be planted in rows 30 inches apart, each set placed 15 inches apart. The seed should be cut from large potatoes with one or two eyes in a set. He seeds down with six pounds common red clover and six pounds Timothy. On this point Prof. Grisdale differed from him. He would recommend six pounds common red, two pounds Alsie and 12 pounds Timothy. Mr. Rennie thought this quantity only a waste.

At the close of Mr. Rennie's address, Geo E Baxter of Andover, moved the following resolution:

That Whereas, This association learns with great satisfaction the success of the efforts of the department of agriculture at Ottawa in opening up the export trade in poultry by specially prepared chickens by means of chicken-fattening stations, therefore

Resolved, That we wish to give publicly to our gratification of the work done by the department of agriculture and to request that the local government co-operate with the department of agriculture at Ottawa by establishing chicken fattening stations in every country of the province, or in some other manner which will be effective in developing that industry. Carried.

Dairying.

The next speaker was Dr. Ruddick, chief of the dairy division, department of agriculture, Ottawa, who spoke on essentials to success in co-operative dairying. He spoke of the management of the dairy herd, the milk supply at cheese factories and creameries, causes which retard progress, cost of cheese manufacture, factory buildings, control of temperature in curing rooms, necessity of low temperature in butter making, disposal of whey and skim milk and care in factory surroundings.

J W Mitchell, dominion dairy superintendent of the Maritime Provinces, was the next speaker.

He said: "Those engaged in dairying are engaged in it as a business and means of livelihood and should study how to

make it as profitable as possible, and I fear that the six months' dairyman will find his business an uninviting and unprofitable vocation. Few merchants or manufacturers can afford to suspend business for even a small portion of the year, although during such time their expenses largely cease; but many dairymen virtually suspend business during four to five months and run on half time during much of the balance—that is, their cows are dry during quite a portion of the year and yield only half what they should during much of the balance, notwithstanding that expenses continue to a very large extent. Cheap yet valuable milk-producing foods, such as corn, roots and mixed grains can be grown in large quantities for the cheap production of milk during the winter.

"For butter manufactured during the fall and winter we obtain from 3 to 5 cents more per pound than for butter manufactured during the summer. It allows of having the cows freshen in the fall and careful experiments have proven that a cow freshening in the fall and properly fed and cared for will prove 25 per cent. more profitable than though freshened in the spring. It means a more constant supply of butter throughout the year and this enables us to hold and control the best markets."

One of the most valuable features of winter dairying is that it allows of the growing of large quantities of cheap foods which in themselves have no great market value, but which, through the agency of the dairy cow, can be converted into valuable products. In illustration of this, Mr. Mitchell gave a ration composed of corn, silage, clover hay, mangolds and mixed grains, and showed that one acre of land could in this way be made to yield its owner at least two and a half times what it would were such a crop as wheat raised from it and sold, while at the same time the fertility of the soil could be maintained.

Suitable conditions for winter dairying were gone into at length, especial emphasis being laid upon the necessity for comfortable stables and suitable foods for milk production. It was pointed out that the temperature of a stable should not fall below 50 degrees during the winter, and better 60 degrees, and the need for plenty of light and for whitewashing the inside of the stable at least once a year was emphasized. The food should be succulent, palatable, digestible and properly balanced in order to supply the body wants of the animal. The following was given as a sample of a balanced ration: Thirty-five pounds corn silage, 10 pounds mixed hay (clover and Timothy); 20 pounds mangolds, four pounds bran, two pounds pea meal, two pounds chopped oats.

Agricultural College.

At the close of Mr. Mitchell's address, C. L. Smith, of Woodstock, moved, and F. E. Sharp, of Midland, seconded the following resolution:

Whereas the governments of the United States and Canada have in recent years given much greater attention to agricultural colleges and institutions ensuring a more scientific and profitable treatment of the soil, and improving the standard and profession of farming; and

Whereas the governments of Nova Scotia and New Brunswick in order to keep pace with this educational movement have arranged for a college of agriculture and horticulture, in a locality where the study of these two branches can be most successfully taught; and,

And whereas the experimental stage of the founding of these agricultural colleges has been passed some years, and the question of their desirability and necessity and of their success when properly managed, has been settled:

And Whereas, it is desirable that this institution should start abreast of other institutions of this kind on the continent in their equipment for instruction;

And Whereas the Nova Scotia government has voted \$50,000 for the purchase of a farm and erection of buildings for such an institution, which sum this association feels is insufficient for the equipment desired;

Therefore Resolved, That the Farmers Association of New Brunswick approves of the action of the government of New Brunswick for its co-operation in the proposed college and urges the said government to use its influence to secure an agricultural college equipped by the Nova Scotia government which will be put on a par with some of the best institutions of the kind on the continent, and that they shall use suitable means to arouse such interest on the part of the farmers' sons of these provinces as shall secure at the outset a patronage which

will be most gratifying and assuring of success, which will be worthy of the profession which it will be expected to lead, and worthy of these two splendid maritime provinces.

After brief addresses by Prof. Grisdale, Simpson, Rennie, Dr. Ruddick, F. C. Hare, C. L. Smith, favoring the resolution, it was carried unanimously.

[CONTINUED ON THIRD PAGE.]

Nature "makes all things beautiful in their time." Every one of life's seasons, when life moves on Nature's lines, has its own charm and beauty. Many women dread that period when they must experience change of life. They fear that face and form may suffer by the change, and that they may fail to please those whom they love. The value of Doctor Pierce's Favorite Prescription in this crisis of woman's life lies in the fact that it assists Nature. Its use preserves the balance and buoyancy of the mind and sustains the physical powers. Many women have expressed their gratitude for the help and comfort given by "Favorite Prescription" in this trying period. Its benefits are not passing but permanent and conduce to mental happiness as well as physical strength.

London, Jan. 28.—In consequence of the agricultural prosperity in Canada a number of agencies have sprang into existence in the United Kingdom which offer to secure situations on Canadian farms for young settlers, for which a premium is demanded. The High Commissioner has announced that any young man possessing a sound constitution and who is prepared to accept the conditions of farm life can secure the opening he desires without any payment as a premium. Assistance will be given to inquirers at the High Commissioner's office.

Don't let worms gnaw at the vitals of your children. Give them Dr. Low's Pleasant Worm Syrup and they'll soon be rid of these parasites. Price 25c.

Robert H Coats of Toronto, has been appointed associate editor of The Labor Gazette at Ottawa, in succession to the late H A Harper.

A Scientific Voice Improver.

Because of its strengthening influence upon the vocal chords. Catarrhzone cannot be too highly recommended as a wonderful voice improver. It almost instantly removes huskiness or hoarseness, thus insuring clearness and brilliancy of tone. Catarrhzone keeps the mucous surface in perfect condition, and its regular use absolutely prevents colds and throat irritation thereby removing the singer's greatest source of anxiety, unfitness of voice. The most eminent speakers and Prima Donas would not be without Catarrhzone and credit in no small degree their uniform strength and brilliancy of tone to its influence. The hard rubber inhaler fits conveniently into a purse or vest pocket, and may be used in the church, theatre, any place or time. Complete outfit \$1. Small size 25c. Druggists or Polson & Co., Kingston, Ont.

Manitoba liquor men presented a big petition to the Legislature for compensation in the event of the prohibition act being enforced.

LAXA-LIVER PILLS regulate the bowels, cure constipation, dyspepsia, biliousness, sick headache and all affections of the organs of digestion.

The steamer Queen City, at Victoria, reports that a boat was found off Abouett, marked with a broad arrow and the letter C, apparently establishing it as from the long-overdue warship Condor.

A terrible accident occurred at Marsh mine, a few miles from New Glasgow, N S, Wednesday. Three men were killed outright: the manager, J W Sutherland, and his brother, Walter Sutherland, and John Willis, of Westville. The three men were in the office, and the accident was caused by an explosion of dynamite while thawing it. All the men are married, having families.

Nervously Exhausted.

Sleepless, poor digestion, easily tired, blue as indigo that's how you feel. Do you want to feel strong, make plenty of blood, enjoy buoyancy, strength and vim. You can do so by using Ferrozone. How it sharpens the appetite and imparts a feeling of buoyancy, strength and vim! Improves the appetite, digestion and assimilation, sleep. How surely Ferrozone does this, you can ascertain by using it. Ferrozone is a blood builder, nerve strengthener and brain invigorator. Sold by C. A. Burchill.

Do Not Try To Cure Effects.

Wisdom Directs You To Use PAINE'S CELERY COMPOUND

To Get Rid of The Cause of Your Sickness.

To use medicine to cure effects instead of using Paine's Celery Compound to get rid of the cause, is great folly. Paine's Celery Compound will make you strong and well. All the while you are using it the nerves gain in power and strength, the digestive organs are fully toned, and lost health rapidly returns. It is folly to neglect what some call the insignificant ills, aches, pains and tired feelings that thousands of people experience at this time of the year. Paine's Celery Compound should be used at once to brace up the diseased nerves, purify the blood and fortify the system. Weak children, frail and weary women, and tired and broken-down men find a new and happy life after Paine's Celery Compound is used for a short time. Mrs. Laura Garland, Crawford St., Toronto, says:

"Your Paine's Celery Compound has most wonderfully improved my health. Before using it my appetite was poor—almost gone; I was also weak and debilitated, and suffered severely from pains in the head.

Paine's Celery Compound certainly does all that is claimed for it. I have recommended it to my friends, and they all speak highly of the results received from it. I wish Paine's Celery Compound the success it so richly deserves."

Cleveland, Ohio, Jan. 28.—The big steamer Minnetonka, which was built at the local yards of the American Shipbuilding Company, for ocean trade, has been cut in two, and is being put in shape for the trip to the coast. The work will be completed by the end of the week. In about six weeks the Minnetonka, the second of the steamers building here for the American Navigation Company, for ocean trade, will undergo similar alterations. The boats will be towed in sections down Lake Erie to Port Colborne, and through the canals to Quebec.

Anyone troubled with boils, pimples, rashes, festering sores, or any chronic or malignant skin disease, should use Burdock Blood Bitters externally and take internally. It will cure where others fail.

Thomas McGiverin was committed for trial by Magistrate Blake at Galt, Ont., on the charge of embezzling funds of the Methodist Church.

DIAMOND DYES

HAS GIVEN AN IMPETUS TO THE WORK OF HOME DYEING.

The days of old fashioned home dyeing work passed away when the Diamond Dyes were given to the world. Today, the operation of coloring—making old things look like new—is easy and quick work when the Diamond Dyes are used. All over this Canada of ours Diamond Dyes are known as money and time savers. They lead all other dyes in the world in strength, fullness of color, brilliancy and fastness. Diamond Dyes are warranted never to fade when the simple directions are faithfully followed.

The announcement is made by the Washington County Ry. Co. that H F Burpee, the well known railroad man, has been appointed General Freight and Passenger Agent of the company with office at Calais. Mr. Burpee comes of a family of railroad men and will make a good official for this important position.

A MARVELLOUS FOOD TRIUMPH.

MALT BREAKFAST FOOD

The Leader In Every Town And City.

Professor W. M. Williams, M. D., of London, England, the greatest living scientist in the chemistry of foods, in "The Chemistry of Cookery," says—"By mixing malt with a cereal in proper proportions an excellent and easily digested food is obtained, and one which I

strongly recommend for invalids as well as for strong people."

Malt Breakfast Food fully meets the views of the celebrated scientist. Being a partially cooked food, it is predigested, has no insoluble starch to hamper digestion, it soothes and quiets the irritated stomach, braces the nerves, gives to the weak needed strength, and keeps well people strong and active from day to day. It is the leader in every town and city. At all Grocers.

Weak Back and Spinal Pains.

Pains in the back number their victims in thousands. Only very powerful and penetrating remedies will reach these distressing complaints, but Polson's Nervine is as sure to cure them as anything in this world can be sure. Rob Nervine over the sore parts night and morning, and see how quickly it drives out the pain. Five times stronger than any other. Good for internal and external use. Large bottles 25c.

A supplementary army estimate of £5,000,000 was issued at London Wednesday, making the total expenditure for the army during the year £92,915,000.

The tea kettle boils and bubbles,

And I forget my troubles.

For Betsy Ann will soon attend

And bring a cup of UNION BLEND.

To Cure a Corn in One Night.

apply Putnam's Painless Corn Extractor. It is sure, safe and painless. Never fails, always cures. Insist on having the genuine "Putnam's."

THE LIQUOR HABIT.

A HARMLESS ANTIDOTE DISCOVERED.

The most highly recommended treatment for Alcoholism in the world. It quickly and permanently removes all craving or desire for intoxicating liquors, and leaves the patient in the same condition mentally and physically as before the habit was acquired. No bad after effects, no institute or injections, a home cure which does not interfere with business or other duties.

For particulars and proof write to Mr. Dixon, 81 Willcocks St., Toronto, Ontario.

The sale of the Canada Atlantic Railway to New York Central capitalists has been completed.

The Water In Utah's Great Lake.

Salt lake is by no means a saturated solution of salt, yet it is five or six times as rich in salts as the ocean and nearly as strong as the Dead sea. In summer it contains between 20 and 22 per cent of salt, the saturation point not being reached until the salt forms a little over a third of the liquid. There are all through the great basin numerous saline lakes and ponds, but none of the size and importance of this in Utah. Not infrequently they are shallow and entirely disappear during the dryness and heat of summer, leaving to mark their sites only a stretch of some acres—or it may be miles—of clay or mud, entirely covered with salt.

IT'S THE TRUTH

Tell a man it's a food and he doesn't want to pay for it. Tell him it's a medicine and he says it doesn't look like it. Then tell him it's both a food and a medicine and he thinks you're playing some game on him.

Yet these are the facts about Scott's Emulsion of pure cod-liver oil. It is the cream of cod-liver oil, the richest and most digestible of foods. The food for thin bodies and thin blood.

But that's only half the story. Scott's Emulsion is also a good medicine. It gives new life and vigor to the whole system and especially to the lungs.

We'll send you a little to try, if you like. SCOTT & BOWNE, Chemists, Toronto.