FIELD NOTES

Seven Swedes were killed last week by a premature explosion of dynamite on the National Transcontinental, 120 miles north of Niprigon, Ontario.

The Alberta Government is considering the question of seeking from the Federal Government such powers as will enable the Province to own and operate the grain elevators.

T. S. McDonald, of Regina, was chosen out of 69 applications for the position of manager of the Regina Agricultural and Industrial Association. It is stated that the Minister of Agriculture has given assurance that the Dominion Exhibition will be held in Regina in 1911.

BRITISH AND FOREIGN.

A Philadelphia man announces that he will start shortly for the Pole in a balloon.

The United States battleship fleet returned to Hampton Roads, on Feb. 22nd, after a fifteen months' cruise around the world. Sixteen battlesships and fifteen thousand men made the voyage.

The United States Government expects to secure a verdict against the beef trust, in investigations at present proceeding before a grand jury, and that indictments charging the big packing firms with being the biggest food trust ever known will be returned.

The Asquith Government is said to be getting into serious straits, and an appeal to the country at the conclusion of the present session would surprise no one. The radical wing of the heterogeneous mass that forms the government party will split off, it is expected, on the question of increasing the naval and military forces.

Latest reports from South-eastern Europe indicate that just as soon as spring breaks and the snow clears off, war is likely to break out between Servia and Austria. At present, each country has large forces mobolized on the frontier, almost within striking distance of each other. Russia is said to be supporting the Servians demands.

England has not been stirred more in years by any dramatic production than she is at the present time over "An Englishman's Home," a play written to stimulate interest in and zeal for citizens army of defense. The play pictures the invasion of the country by the Germans, and seems to be having the desired effect in influencing Englishmen in the citizens army.

Seed Growers Association

The fifth annual convention of the Canadian Seedgrowers' Association, held in Ottawa, Feb. 4th and sth, was well attended, representatives being present from all the Provinces east of the Great Lakes, and keen interest was manifested throughout the ventions may have been more largely attended and more widely representative of the whole Dominion, with the specially is that large heads, which are largely attended on a poor plant, or occasion to give a brief statement as to the aims and occasion to give a brief stat

son pointed out that the system of selection, as prac-

Dr. Robertson estimates that if the field crops of members in full standing last year was 140, and 30 Canada last year had been increased to the same more were accepted during the present convention. extent that the crops entered in the seed-growing competition were by three years' selection, the try, Mr. Newman noted that improvement is notice-increased value to the country would have amounted able, both in the number of men operating and in the to \$80,000,000.

A committee was appointed last week by Manitoba Legislature to consider whether Province should build a public abattoir.

Conlege farm, the value would have been \$147,000,000. cellent work. South of the C. P. R. main line Red the These figures, Dr. Robertson points out, convey some Conception of the room there is for plant improvement districts considerable attention is being given to the and the work accomplished by those who took part by the Association.

IMPORTANT CHANGE IN CONSTITUTION

Among the recommendations brought before the convention, and finally accepted, after considerable discussion, was one altering the consitution so as to give recognition to work of improvement in plants that may have been done by other recognised authorities. Up to the present, no standing in the Association has been given to seed that may have been improved by the experiment stations, or by private individuals, unless the work was done strictly in accord with the Association regulations, which demand that one-quarter acre be the minimum size seed-plot, and that in no case shall more seed be selected from the seed-plot than sufficient to sow a a plot four times the size of the one from which the seed was taken. At most of our experiment stations the system of individual plant selection is folowed as a basis of improvement, rather than a bulk selection of heads, as practiced by the Association. The system, as outlined by Prof. L. S. Klinck, of St. Anne's, is in brief, as follows: Several thousand grains of one variety are planted in rows separately several inches apart each way, and throughout the growing season these individual plants are carefully studied. Those showing the desired characteristics are noted, and, of the large number of plants growing about one hundred are selected and carefully stored During the winter, these one hundred plants are again culled down by more rigid inspection of both the plant and ripened grain. The progeny of each plant is kept separate, and the seed sown in small test plots in the spring. In this way, improved strains of the different varieties are established, and, when sufficient seed is produced, it is distributed to

Work of this nature must necessarily be done the by public institutions, rather than by private farmers seeds can be grown economically in this country and it was felt by the Association that grain that and testing their relative value, as compared with has been improved in this way should be given a standing in the Association, as many members would likely wish to start with seed of this sort. The constitution, as now amended, gives the executive council power to give seed improved by recognized authorities a standing in the Association records as high as

Dr. Chas. Saunders On Plant Improvement

In the course of a paper on the work of plantimprovement, Dr. Chas. Saunders, Cerealist, at the Fifth Annual Convention of the Canadian

Central Experimental Farm, Ottawa, pointed out the difference between the methods of selection followed by the Seed-growers' Association and and and the seed-growers of the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the Seed-growers' Association and the convention of the Canadian followed by the convention of the convention that followed at the Experimental Farm. The added to the list of honorary members Association method is to select heads from the grow-Hon. Sydney Fisher On The Rome ing crop repeatedly year after year. One difficulty with this system is that large heads, which are likely Hon. Sydney Fisher, Minister of Agriculture, took be sown hand-picked seed.

REPORT OF THE YEAR'S OPERATIONS

CANADIAN.

It is expected that Hon. C. J. Mickle, tion leader in the Manitoba Legislature, appointed to a judgeship shortly.

Seven Swedes were killed last week by a prema
CANADIAN.

Increased value to the country would have amounted to \$80,000,000. Another striking instance of what can be done by the use of good seed and improved methods of farming is furnished by the experience at the College Farm at St. Anne de Bellevue. When appointed to a judgeship shortly.

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Increased value to the country would have amounted to \$80,000,000. Another striking instance of what can be done by the use of good seed and improved methods of farming is furnished by the experience at the College Farm at St. Anne de Bellevue. When attention, with fall wheat coming next. Turkey average in the Province. After three years' careful cropping, using improved seed, the yield per acre is practically double that of the average farm in Ouebec. The following interesting and in the too \$80,000,000. Another striking instance of what character of the work being done in all districts. In the character of the work being done in all districts. In the character of the work being done in all districts. In the character of the work being done in all districts. In the character of the work being done in all districts. In the character of the work being done in all districts are working with potatoes. In Alberta, oats receive the greatest at the College Farm at St. Anne de Bellevue. When attention, with fall wheat coming next. Turkey are the farm was purchased, it was no better than the average in the Province, while in the number of men operating and in the toal character of the work being done in all districts. In the character of the work being done in all districts in the character of the work being done in all districts. In the character of the work being done in all districts in the character of the work being done in all districts. In the character of the work being done in all districts in the char practically double that of the average farm in Quebec. the softer varieties, such as Dawson's Golden Chaff.

This season the farm of Quebec yielded crops to In Saskatchewan there are not many active members; the value of \$73,000,000. If the average yield throughout the Province had been as good as at the The Manitoba members are reported to be doing ex
College farm, the value would have been \$147,000,000. Cellent work. South of the C. P. R. main line Red

These figures. Dr. Robertson points out, convey some. File wheat is the favorite variety, but in the particular. and the work accomplished by those who took part earlier varieties! Considerable work is also being in the seed-growing competition is good evidence done with fall wheat in the northern sections. The as to what can be done through methods employed by the Association. wheat and potatoes. There are a large number of members in Ontario, and, on the whole they are doing excellent work. Quebec members are not getting along as well as they might, due, largely, it is thought, to the fact that they do not understand the details of operations thoroughly. It is hoped to overcome this difficulty by having a general meeting in French next spring, when the process will be fully explained. In the Maritime Provinces the work is becoming more and more popular, due, to some extent, to the excellent educational influence of the Annual Winter Fair at Amherst. Prince Edward Island and Nova Scotia both have a goodly number of men who are doing excellent work in plant improvement. New Brunswick has fewer members, but they are equally good.

To Encourage District Meetings

Among the recommendations made by the Board of Directors, and approved by the Convention, was one favoring the holding of district metings or conventions by members of the Association. These informal conferences have been held at some of the winter fairs, and have been very beneficial in getting expression of opinion from a large number of members who are unable to attend the annual convention.

FAVOR EXPERIMENTS WITH CANADIAN GROWN ROOT SEED.

It was pointed out by the Board of Directors, and also by Peter H. McKenzie, ex-Chariman Standing Committee on Agricultura and Colonization, that a great deal of the vegetable and root seed sold in Canada is of low vitality, and does not produce uni-form plants. It was suggested that experiments should be conducted at the Experimental Farm, with view to determining whether root and vegetable and testing their relative value, as compared with the imported stock.

Very interesting and instructive papers were presented during the convention by Geo. Michaud, Assistant Seed Analyst, Ottawa, on "Conditions Which Affect the Vitality and Viability of Seeds" by hand-selected seed of the fifth year. The outcome of this amendment will probably be that most of the new members will start their work of selection with seed already improved as outlined above, and this would seem to be the most rational system.

Dr. Chas, Saunders On Plant Improvement.

OFFICERS RE-ELECTED

The President of the Association, Dr. Jas. W. Robertson, was re-elected for another year, as were also the ten first directors. Thirty new names were

HON. SYDNEY FISHER ON THE ROME CONFERENCE wentions may have been more largely attended and more widely representative of the whole Dominion, but never has greater advancement been made toward putting the work of the Association on a basis that will appeal to farmers, and widen its influence throughout the country.

AIMS OF THE ASSOCIATION

AIMS OF THE ASSOCIATION

The aims and objects of the Association were very fully and clearly reviewed by the President, Dr. James W. Robertson, of Macdonald College. Dr. Robertson, of Macdonald College. Dr. Robertson was present itself, and the desired difficulty does not present itself, and the desired difficulty does not present itself, and the desired difficulty does not present itself, and the desired world, and in this way secure official information which will be of great use in arriving at proper market lished in improved strains. Dr. Saunders' recommendation is that farmers who wish to grow specially salected seed, secure their stock from a strain that has been improved by individual-plant selection, of by the use of a small seed-plot, on which should be sown hand-picked seed.

First, to secure co-operation in the compilation of reliable reports on crop conditions: throughout the difficulty does not present itself, and the desired world, and in this way secure official information which will be of great use in arriving at proper market values, and suppress, in a large measure, at least, artificial manipulation of the grain. Secondly, to compile at head-quarters, at Rome, and distribute to the countries of the propertion of the difficulty does not present itself, and the desired world, and in this way secure official information which will be of great use in arriving at proper market by values, and suppress, in a large measure, at least, artificial manipulation of the grain. Secondly, to compile at head-quarters, at Rome, and distribute to the countries of the propertion of the grain markets by and the secure of the propertion of the grain markets by and the secure of the desired world. on agricultural research work that may be conducted at the various stations in the countries represented

ticed by the members of the Association, was by no means a new principle. In Scotland, it has long been the practice of the best farmers to build a "seed stack' of grain taken from those portions of the field where the the past year, and represented the Association to grain is of best quality. This superior grain is then be in a prosperous condition. Most of the old virgil indicated that the process of hand selection for crop improvement was practiced with marked advantage even before Christ was born.

Report Of The Year's Operations

The idea of the Institute was presented to the King of Italy, who was very strongly impressed with of the value of the scheme, and invited representatives of the different nations interested to a conference, to of the different nations interested to be held at Rome, in 1905. This conference resulted virgil indicated that the process of hand selection, and several promising men have been advantage even before Christ was born.

Reviewing the Macdonald-Robertson competition in seed-growing, it was shown that the yields had been graatly increased and the quality of the grain improvence of the Secretary-Treasurer, L. H.

Newman, covered in detail the operations during to the value of the scheme, and invited representatives of the did at Rome, in 1905. This conference resulted to the list of members. Last season there were 536 names on the list, including members and in the drafting of a definite plan, somewhat as outlined above. The proposition was submitted to the were 536 names on the list, including members and the value of the scheme, and invited representatives of the did at Rome, in 1905. This conference resulted to the list of members. Last season there were 536 names on the list, including members and the value of the scheme, and invited representatives of the did at Rome, in 1905. This conference to be held at Rome, in 1905. This conference to the did at Rome, in 1905. This conference to the held at Rome, in 1905. This submitted to the self-undered the self-undered the value o

tee for perfecting the the general conference

Fisher attended as a rej The maintenance of in two ways: The K from his private esta annual income of \$60 income has been used and furnishing accom addition to this, each tribute annually to th will amount to about tion to this, there will 1 to the conferences. T way, but great things ar

Report of]

The report of the Con R. A. Wallace, Jas. appointed by the All into the condition of t Province and advise w to insure for hog raisers was presented to the ruary 18th. After rev mission and the evide the Province, the repor that not only has the considers a fair price (fi for his hogs, but that h been able to receive an overstock the market; curtailed on this accou where to turn for a mar hog line even at any p cent. of the cured mea

These are the local co more plainly, while seve article is imported and packers, at least one-h mers have been comp industry on account of ing a living price for h to say nothing of what would become produce suitable for feeding the tinct loss to the Provin-

be some remedy. Men have come to states of the American better themselves. T Canada for the same Alberta must solve for run up against in their f is the lack of a stable r There is no good reason fide farmer in Alberta of other countries, es better themselves and again confronted with

The market for cure and there will always be Columbia market and t The home market, as f the private concerns i this the local concerns the trade. If a gove nothing more than de have done, that the ar only be raised but cur the experiment and the besides giving an incer the hog business and r raising, making Albert a Province in which faith to do business.

The evidence and co that something must b ditions are such that the money required fr nor would they care to ities in such a way a government here, ther The guarantee of each come to the following

PLAN OF

That when a sufficie reasonable assurance fifty thousand hogs per will elect from among tors whose duty it wi supply of hogs of suit amount of money need fully operate the plant abilities of the operate then recommend that money to build, equit and the directors deer ted to admit of enlarge have a capacity large hogs a day at the star in the farmers' hogs, p o two thirds of their e intervals as may be ag has elapsed to place the producers the ball product, less the cost same and a sum suffic penses, such as insura