

FARMERS' COLUMN.

Seed Investigation Results of 1903.

IMPORTANT AGRICULTURAL BULLETIN FROM OTTAWA.

Department of Agriculture,
Ottawa, Nov. 19

The continued investigation into the conditions under which agricultural seeds are sold in Canada has been given a rather extensive scope during 1903. The report of the work done by the Seed Division during 1902 was published in Bulletin No. 8. In the spring of the current year, one thousand one hundred and twelve samples of grass, clover, flax, cereal, root crop and garden vegetable seeds were secured from merchants in all parts of Canada and tested in the Seed Laboratory, Ottawa. In addition to those, one hundred and twenty-five samples of grass and clover seeds were analysed for farmers and seed merchants. With each sample obtained for investigation, information was enclosed giving the name of the dealer and the place where it was sold, the price per pound or per bushel and the origin of the seed. In this connection it is interesting to note that the prices paid by farmers for grass and clover seeds were no guide to the actual value of the samples. The average retail prices per one hundred pounds of Timothy, Alsike, and Red Clover seeds, as shown by the information cards received with the samples, have been calculated, and the results are somewhat surprising. If these are to be taken as a fair average, we find that in Ontario, first grade Timothy sold for \$5.89 per hundred; second grade for \$6.24 and lower grades for \$5.52. In Quebec first grade Red Clover averaged \$15.50; second grade \$12.55, and lower grades \$15.15. In the Maritime Provinces Alsike of the best grade sold for an average of \$17.00; second grade \$16.25, and lower grades \$16.45 per hundred pounds.

In these calculations the nature of the impurities contained in the samples was, of course, not taken into consideration. Samples containing 90 per cent or over of good seed were ranked as first grade; samples containing between 80 and 90 per cent as second grade, and samples containing less than 80 per cent as low grade. It may be pointed out that no sample of Alsike containing 90 per cent or over of pure and germinable seed was obtained in the province of Quebec. Two hundred and six samples of Timothy seed were analysed, and of these eighty-four contained 90 per cent or over of pure and germinable seed. Seventy-two of these samples contained fewer than 1000 weed seeds per pound; one hundred and sixty-two contained fewer than 5,000 and sixteen contained more than 10,000. Out of one hundred and thirty-six samples of Alsike that were analysed only six contained 90 per cent or over of pure and germinable seed. Eighteen of them contained fewer than 1000 weed seeds per pound, sixty-seven contained fewer than 5,000, and twenty-two contained more than 10,000. Two hundred and six samples of Red Clover were obtained from small dealers and of these eighty samples contained 90 per cent or over of pure and germinable seed. Sixty-five of them contained fewer than 1,000 weed seeds per pound, one hundred and twenty-five contained fewer than 5,000, and forty-four contained more than 10,000.

It is well to note that a large proportion of these samples obtained for investigation were purchased from irresponsible dealers in villages and small towns. The reliable seed houses retail large quantities of high class seeds, but a comparatively small number of samples were obtained direct from those large firms. The percentage of samples of good quality would have been much greater if this had been done.

A BETTER QUALITY OF SEEDS WAS OBTAINED FROM GREAT BRITAIN.

Seven samples of Alsike and fourteen samples of Red Clover seeds were obtained from retail seedsmen in Great Britain. Of these, three of Alsike and five of Red Clover were said to be Canadian grown. The analysis of the

Canadian Alsike showed an average of 95.6 per cent of pure and germinable seeds. The average of the three samples of Alsike which were said to be English grown was 94.27 per cent, and the one German grown sample included in the lot contained 84.72 per cent of pure and germinable seeds. The latter sample contained thirteen species of foreign seeds.

The average purity of the fourteen samples of Red Clover seeds obtained in Great Britain was 98.6 and the average germination 92.3 per cent.

The Canadian grown samples were slightly lower in per cent of purity than those which were said to have been grown in England and Chile. The average per cent of purity of the five Canadian grown samples was 96.7 and the average per cent of vitality 93.6.

Comparing the quality of the Canadian grown seed obtained from retail dealers in Great Britain with that of the samples purchased from retail dealers in Canada, it would seem that much of our best re-cleaned Alsike and Red Clover seed is exported. While it is desirable that the reputation of Canadian grown seeds be maintained in European markets, it is no less important that Canadian farmers should not be further contaminated by the weed seeds remaining in the screenings and lower grades of seeds which are left for the home trade.

CATARH OF THE HEAD

Is very common, but awfully dangerous because it causes deafness and leads to consumption. Cure is as certain to follow the use of Catarrhzone as day is to follow night. You simply breathe the fragrant healing Catarrhzone which spreads through the nasal passages, throat and lungs, driving out every vestige of catarrh. "I was cured of chronic catarrh of the nose and throat," writes Ernest M. Wilkinson of Laurenceton, "after many years of misery, by Catarrhzone, which is a splendid free remedy to the air passages from mucous. Catarrhzone relieved quickly and my cure has been permanent." Price \$1.00 for two months treatment; trial size 25c.

Plaster Rock.

(Special Correspondence to the Herald.)
Nov. 19.—The Tobique Mfg. Co., Ltd., have closed their mill for this season, leaving considerable logs on the bank, mostly cedar.

F. B. Chapman, formerly of Woodstock, but for the past three years working for the Tobique Co., was married yesterday at Perth. Several small boys and girls gathered at the station tonight to give him a royal welcome, but were outwitted, as the bride and groom, with the assistance of the good natured brateman, descended from the back of the car and were hastily conducted to a coach by Mr. C. Palmer, who drove them across the river to the residence of A. W. Ridgwell, almost before the crowd began to realize that the game had been taken out of their hands.

B. Doohan of Riley Brook, called here last night on his way to Perth.

Watts Cox holds the record for hauling the biggest load of oars from Plaster Rock to Riley Brook, and says he didn't leave any along the road either. Watts certainly is a hustler.

Duncan McInnis has moved into his new house, taking his old one for a barn.

D. W. Newcomb, Supt. C. P. R., called here last night.

A number of young people drove to Arthurville Tuesday night to a party and dance at the residence of Miss V. McDougall, returning in the morning. A good time was enjoyed by all.

George Clark and wife left yesterday for Houlton, where they will spend the winter.

AN ORDINARY PILL

Is liable to cause griping pains, but Dr. Hamilton's Pills of Candrake and Butter-nut never give or cause any pain whatsoever. The mildest and effective physic. Sure cure for headache and biliousness. Use only Dr. Hamilton's Pills. Price 25 cents.

DIPLOMA RECEIVED BY I. C. R.

For Exhibit of Pictures at the Toronto Exposition.

A diploma has been received by General Traffic Manager Tiffin from the directors of the Dominion Industrial Exposition, recently held in Toronto, on which appear the words "Awarded to the Intercolonial Railway by the Jury of Awards for exhibit of pictures, etc." The diploma is a fine production of the lithographic art. It will be suitably framed,

and added to the railway permanent collection. The exhibit meriting this award consisted of one hundred and twenty-seven large bromide enlargements arranged to illustrate in order the route traversed by Canada's famous train, the "Maritime Express," mounted Restigouche salmon, illustrating the rise, strike, struggle and victory—and moose heads, the whole exhibit occupying nearly one thousand square feet. The many thousands of visitors to this largest of Canadian exhibitions were led in their praise of the beautiful scenery and sporting trophies of Quebec and the Provinces by the Sea, and it will no doubt result in many of our Upper Canadian brothers visiting us next year.

"The blood is the life." Science has never gone beyond that simple statement of scripture. But it has illuminated that statement and given it a meaning ever broadening with the increasing breadth of knowledge. When the blood is "bad" or impure it is not alone the body which suffers through disease. The brain is also clouded, the mind and judgment are affected, and many an evil deed or impure thought may be directly traced to the impurity of the blood. No one can be well balanced in mind and body whose blood is impure. No one can have a wholesome and pure life unless the blood is pure. Foul blood can be made pure by the use of Dr. Pierce's Golden Medical Discovery. When the blood is pure, body and brain are alike healthy and life becomes a daily happiness.

Free.—Dr. Pierce's Common Sense Medical Adviser, 1008 pages, 700 illustrations, is sent free on receipt of stamps to defray expense of mailing, and send 31 one-cent stamps for custom paper covers, or 50 stamps for cloth, to Dr. R. V. Pierce, 683 Main Street, Buffalo, N. Y.

Nice Place to Live.

London 200 years ago was a comparatively small city of about 600,000 inhabitants, the rough and ill-kept main roads to which has been but slightly improved since Tudor times. The ghastly spectacle of many of the trees on the Southwark road bending under their burden of hanged men, had indeed been slightly modified, but none the less the decomposing heads of "traitors" still filled the atmosphere about London Bridge and Temple Bar with myriads of baneful microbes.

Our immediate forebears were evidently not over-particular about sights and smells. They were accustomed to see men sitting in the pillory pelted with rotten eggs, and possibly included among their immediate circle not a few who had been deprived of their noses and ears for expressing too freely their opinions, political and religious.

The drains were in an appalling condition. The innumerable churchyards were so full of coffins that they often projected through the turf. Bear and bull baiting, dog-fights and boxing matches were attended even by royalty as late as 1820 and five years later all the "dandies" in London were paying high prices to stand in the carts round Tyburn to behold twenty two of their fellow creatures hanged for misdemeanors which in our time would be punished with a few days' imprisonment.—Saturday Review.

Fatal Dynamite Explosion.

Halifax, November 22.—An accident occurred on the construction work of the Halifax and South Western railway, near Bridgewater, on Saturday, which killed a workman named Weatle and injured three others. Weatle was throwing dynamite. He took a stick of dynamite from a pile of wet water and put it into another which was standing on a hot stove. An explosion immediately followed, which dismembered Weatle. He lived for six hours, and before he died he made a statement that it was all his fault, and that he had been warned.

WHAT IS DYSPEPSIA?

Qualms, nausea, longing for food yet dreading to eat it. You may have the real thing, but Ferrozzone will cure you like it did S. D. Hamilton of Hamilton, who says: "I frequently was attacked with such acute dyspepsia that I thought it must be heart disease. I used Ferrozzone and got relief. I kept on using Ferrozzone and was cured. My digestion is in perfect order and I can eat anything today." Nothing is as good as Ferrozzone for dyspepsia and those bothered with weak stomachs. Price 50c. at druggists.

DIABOLICAL CRIME.

One of the Worst in Annals of Colorado.

DEvised AND EXECUTED BY INNER CIRCLE OF

The Western Federation of Miners.

OTHER SIDE OF STORY.

Cripple Creek, Nov. 22.—Sheriff Robertson, after investigating conditions in the sixth level of the Vindicator mine, where Supt. McCormack and Shift Boss Beck were killed yesterday by an explosion, agrees with the statement of the company officials that a deliberate attempt had been made to wreck the shaft with dynamite. The executive committee of the Mine Owners and Operators' Association has offered a reward of \$5,000 for evidence leading to the arrest and conviction of the perpetrators. In a published statement the committee says:

"The killing of Supt. McCormack and Melvin Beck was one of the most diabolical crimes that ever darkened the annals of Colorado, and is another step in the trail of blood which has been made by the Western Federation of Miners in this state.

"The time has passed for selecting fine terms in which to speak of these matters, and we do not hesitate to say that this crime was devised and executed by the inner circle of this organization.

"This statement is made only after a careful investigation of the facts, which shows conclusively that these men met their death through a scheme so cunningly devised and carefully executed as to tax the ingenuity of the most experienced criminals.

"Of late the district has been filling up with a class of men who openly boast of what they propose to do. Not a single circumstance surrounding this crime is compatible with any other theory of accident, and with any other theory than that of premeditated murder."

The district executive committee of the Western Federation of Miners characterizes the explosion as a "lamentable accident, regretted by all," and adds:

"But prejudiced individuals who rarely know anything of what they talk about, have already passed judgment, and denounce it as a cold-blooded murder. Experience, however, teaches

that the people are not above making capital out of any misfortune."

Denver, Col., Nov. 22.—Gen. John C. Bates arrived here today to investigate the strike conditions in Colorado. Upon his report depends whether or not the war department will comply with Governor Peabody's request to send federal troops to Telluride. He left for Telluride tonight.

After a visit to Gen. Baldwin, commander of this department, Gen. Bates said that his being here is no reflection on Gen. Baldwin.

"I am entirely ignorant of the situation and will look into matters thoroughly," he continued. "The way Gov. Peabody's request was worded caused the war department to reply that troops could not be furnished, but if conditions are such that there is real need of federal troops, I have no doubt they will be sent."

Spent Over \$2,000 Doctoring.

Mr. Joseph Pominville, of Stillwater, Minn., after having spent over \$2,000 with the best doctors for stomach trouble, without relief, was advised to try a box of Chamberlain's Stomach and Liver Tablets. He did so, and is a well man today. For sale by all druggists.

Hanwell.

(Special Correspondence to the Herald.)

Nov. 20.—The weather for the past week has been very disagreeable.

Mr. and Mrs. James Cunningham spent Monday with relatives in this place.

Mr. John W. Burke expects to leave shortly for Ludlow, where he will be employed hauling stone for John Carlen. Owing to the delicious tea served by Mrs. Lucy to the ladies at the knitting bee, they succeeded in getting twenty pairs of mitts knit.

Miss Annie Cunningham and Ernest Kelley were the guests of Miss Maggie Cunningham on Wednesday.

Dear are very plentiful in this place. Charles Gallop captured two on Saturday.

Lost between Hanwell and Fredericton a pair of overcoats. Finder will kindly oblige by leaving same at Hanwell Post Office.

The King's birthday was celebrated by the raising of a Canadian ensign over our school house in the presence of a number of enthusiastic spectators. Addresses were delivered by the trustees and secretary of the school, after which the following programme was carried out:

Chorus—Up with the Union Jack.
Recitation—Little Willie by Willie Allen.

Recitation—Visiting Grandma by Walter Powers.

Tableau—Solitary.

Recitation—Deacon Brown and Farmer Jones by Christina Gallop.

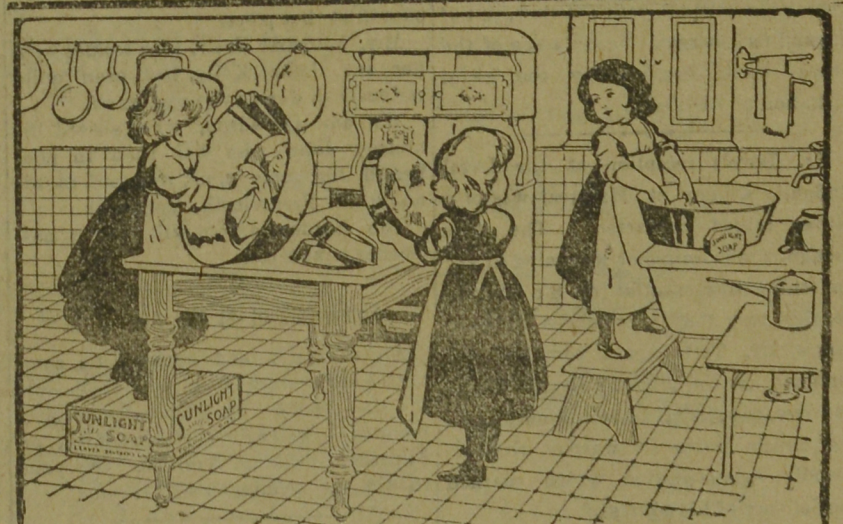
Chorus—Canada.

Dialogue—How he Managed by Mr. Jones, Mrs. Jones and Miss Powers.

Recitation—Entertaining her Big Sister's Ban by Lizzie Powers.

Recitation—The Hanwell Girl's Complaint by Minnie Powers.

The programme ended by singing God Save the King.



SUNLIGHT SOAP

Household utensils can be made to look as good as new by washing in a sunny solution of Sunlight Soap. They will shine and glitter thus helping to make the home bright and inviting. Sunlight Soap means less than half the labor required in washing with common soap—and makes everything spotlessly clean. Sunlight Soap is made of pure oils and fats, contains no ingredient injurious to the hands or clothing.

ASK FOR THE OCTAGON BAR

Sunlight Soap Washes the Clothes White and won't Injure the Hands
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