

FARMING AND LIVE STOCK

PEA CROP HURT MANY FIELDS RUINED

A Green Louse, Distinguished by the Rusty Color of the Peas and the Odor From the Fields, is Damaging the Good Outlook For This Crop in Ontario.

Pea-growing has had a checkered history in Ontario. In the case of this cereal, one definitely cannot count his chickens before they are hatched. The pea crop of Ontario never gave greater promise than it did this year. Everywhere reports of the growing crop were most favorable. But now, on the edge of harvest a new enemy has appeared. A green louse, feasting itself fat on the succulent leaves, has turned many a promising field into a failure, and left the ominous rusty colored vases as evidence of its work.

Travelers thru the country roads have noticed of late places from which a most disagreeable odor was given off, and they were at a loss to tell whence these waves of miasmatic tendencies came. Close observation has connected this smell with the fields of peas infected with this "bug."

A careful examination of the leaves will show that the green louse has died after reaching a certain stage and turned brown. These decaying animalcules have contributed to the disagreeable atmospheres prevailing in certain places. Later these "corpses" seem to disintegrate into thin air almost entirely, leaving a white shell-like framework like the skin that the snake crawls out. Whether a metamorphosis has taken place and the new life flown away, examination has not yet revealed to us.

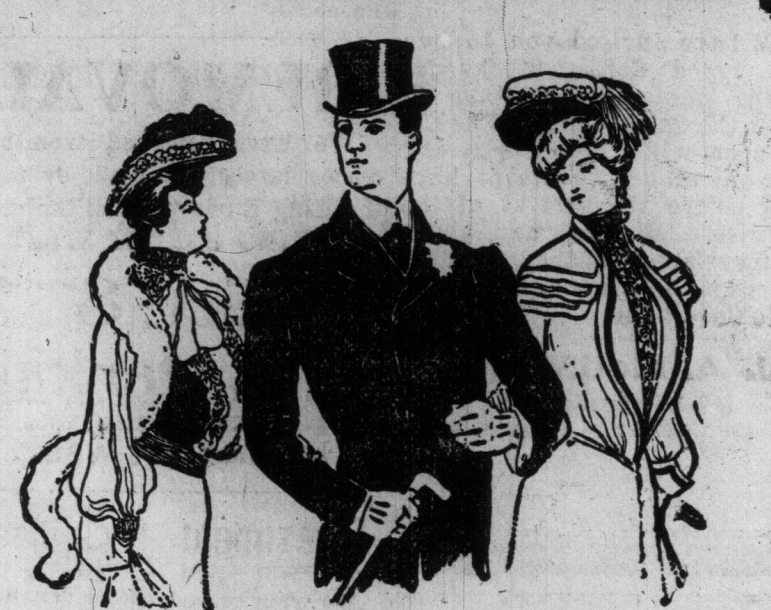
At any rate this is what is creating havoc in the pea fields of York and Ontario Counties, and the foul atmosphere in the vicinity. The leaves and pods are attacked until the sap is nearly all extracted and the outer leaf-skin is destroyed. The vines then wither and die, and the half formed peas dwindle away into very poor chickpeas at best. It means the total destruction of some fields and a serious curtailment in the yields of others.

Extra early peas have fared the best. In many quarters early garden peas are grown by the farmers for the big United States and English dealers. In these cases the peas are now far advanced and many are harvested, so that the "June bug" has not done much harm. It is with the Canadian Beauties, the Black-Eye, Marrowfat and Prussian Blue peas that the great damage is being done. Since this crop was sown more largely than usual this year owing to the absence of the "pea-bug" proper, the loss therefore will be considerable to the farmers.

The ladies are also complaining of this same unwelcome guest on their sweet pea vines in the lawns and gardens. Many have died already and the blooming flowers of others entirely cut off. These people passed it without much comment, but now they are wondering if a liberal spraying of paris green or hellbore would not have saved their favorite flowers.

The annual convention of the National Hay Association met this week at Cedar Point, Ohio, on Lake Erie.

FREE UNTIL CURED



No man need be weak, no man need suffer from the loss of that vitality which makes life worth living. He can be made strong, magnetic, forceful, and light-hearted, confident of his power both in business and society; free from spells of despondency, nervousness, lassitude and brain wanderings; free from a certain cure for Nervous Debility, Varicose, Rheumatism, Lame Back, Stomach, Liver and Kidney Complaints, in my world-famed Dr. Sanden Electric Belt with Electric Suspensory, and I will give it absolutely free until a cure is effected. How can I do this? For two reasons. I have the certain knowledge that my Belt will cure, and I have confidence enough in mankind to wait for my money until I prove it. This is what every doctor should do, but I am the only one who has a remedy that will stand such a crucial test. For 40 years I have been curing thousands every year, and have made a tremendous success doing business on this basis. NOT ONE PENNY IN ADVANCE OR ON DEPOSIT, and if I fail it costs you nothing whatever. All I ask is that you pay me the usual price of the Belt when cured—in some cases not over \$5.00. I will leave you to be the judge, and will take your word for results, or for cash I give full wholesale discount. Forty years' continuous success has brought forth many imitators. Beware of them. You can try the original, the standard of the world, free until cured, then pay for it. Call or send for one to-day, also my two illustrated books giving full information free, sealed by mail.

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The Farmstead.

Now it's the pea louse. Western wheat cutting has commenced.

The executors of the late Jonathan Slater sold a 100-acre farm for \$3000.

Women's institutes are having encouraging attendances.

There will always be a good buyer for a high-class horse.

There is altogether too much hay out yet. Such late handling makes poor feed.

Alsike clover promises to be a good crop in Ontario.

Weeds do not pay and many farmers are not fighting them as they should.

Well saved alfalfa hay is worth \$20 per ton. Its feeding value is yet unknown to most Ontario farmers.

R. Guthrie and Sons of Whitby Township are saving some alfalfa for seed this year.

There is a rumor that Prof. R. Graham of the poultry department of the O. A. C. is likely to go to England.

The honey crop this year promises to be more than usually successful, and while there is plenty of clover honey, the large acreage of buckwheat will soon discolour the output.

Oats are being harvested in the vicinity of Hamilton. The crop is reported to be clean and will yield better than for the past two years.

There is a proposal in Omaha to build a palace of alfalfa as one of the features of the National Corn Exposition, to be held there in December. The palace is to be built of bales of alfalfa and pods are attached until the sap is nearly all extracted and the outer leaf-skin is destroyed. The vines then wither and die, and the half formed peas dwindle away into very poor chickpeas at best. It means the total destruction of some fields and a serious curtailment in the yields of others.

"I breed Houdans because they are the most natural layers and meat-producers in the poultry family," says a writer in a poultry journal. "Their eggs are very large and fertile. The Houdan chick is rugged and hardy from the very start. At six months the pullets will be laying and average six pounds each right thru the flock. Once started there is no let-up to their laying. The weather has no effect upon Houdan egg-production; for these fowls are as heavily feathered as the Cochins, as heavily bodied as the Rocks, Wyandottes, as active as the Leghorns, and, best of all, with absolutely no comb or tail. They bear confinement well, are non-setters, and are the greatest winter layers known."

"As a fancier's fowl they breed true. No breed excels them in beauty. I breed them dark and still preserve the mottle."

"The Houdan has other virtues than that of producing market eggs and meat with no desire for superior breeding blood and no thought or care for the breeding results. Such birds are very valuable when it comes to purchasing a blood foundation for future high quality and profit. One pair of potentially good Houdans is worth more money than any conceivable number of ordinary ones, and let me assure you that the potential good qualities that make up a Houdan's actual breeding value are not externally visible."

ELECTRIFIED WHEAT GROWS BIG RETURNS

Some Striking Experiments in England That Prove Benefits of Electricity

Some thirty years ago, a Swedish professor named Lemstrom sought to elucidate the Aurora Borealis by trying to imitate its appearance by electrical experiments. For this purpose he produced high-tension discharges of various kinds, and sent them thru vacuum tubes until he got an appearance very like those of the northern lights. Some of these experiments he conducted in his greenhouse, and he noticed incidentally that the plants seemed to thrive under the treatment, and that the electrification thus produced in their neighborhood appeared to do them good. He also noticed, as remarkable, the flourishing development of plants in Arctic regions, where the sunlight was very weak; and he attributed part of this growth to the influence of electric discharges.

Continuing his observations, Lemstrom found in almost all cases a marked improvement as the result of electrical treatment, and his experiments, repeated and extended by others, seemed clearly to indicate that while in some sunny countries the effect of natural atmospheric electrification may possibly be excessive, and might with advantage be modified, in this climate an artificial supply of electricity does increase the rapidity and assist the amount of growth.

Experiments With Fields. One method of experimenting with grain was to stretch over the field to be treated a number of wires on poles, something like low telegraph wires, but high enough for loaded wagons and all the usual farming operations to go on underneath the wires without let or hindrance. The wires are quite thin, and are supported by a few posts in long parallel rows, about 30 feet apart. They are supported on the posts by elaborate high-tension insulators, and they extend over the acreage under experiment, a complete plot of similar land under similar conditions being, of course, left without any wires.

The system of conductors is then connected at one point with a generator supplying positive electricity at a potential of something like a hundred thousand volts, and with sufficient power to maintain a constant supply of electricity at this kind of potential. Leakage immediately begins, and the charge fixes off from the wires with a sound which is sometimes audible, and with a glow just visible in the dark. Anyone walking about below the wires can sometimes feel the effect on the hair of the head, as of a comb on the face. They are then feeling the stimulating action of the electrification. The electrification is maintained for some hours each day, but is shut off at night; it is probably only necessary to supply it during the early morning hours in summer, and in cold, cloudy weather for the whole day.

In bright sunshine it seems unnecessary, or even harmful. But at what stages of the growth of a plant, the stimulus is most effective has still to be made out; probably the earlier the better.

In these experiments the overhead system of wires covered about 19½ acres of ground. About telegraph wires carried the current down each row of poles, while thin galvanized iron wires, placed some 12 yards apart, were stretched between the rows, and acted as the discharge wires. Roughly, one pole per acre is required; therefore, the inconvenience is practically nil.

In the case of a strawberry plot, which was subjected to the same treatment, the crop was very small, this being the first year and it was picked chiefly to see if any increase had been obtained. The result showed a 38 per cent. increase, and earlier ripening was also obtained.

There was an estimated increase of 25 per cent. in the crop of mangolds where electrified, and analysis revealed a larger proportion of sugar. Small plots of raspberries and tomatoes also showed a marked improvement. A curious point about the raspberries was that the foliage and fruit of the old canes showed no difference, but that the new growth, particularly after the old wood was cut back, showed a marked difference in favor of the electrified.

AVERAGE ALSIKE YIELD LESS THAN LAST YEAR

Opening Prices Are Likely to Be Fair—Will the Market Lower?—Dealers Waiting.

The alsike clover season is now on and threshing has commenced in various parts of the province. Returns from the district east of Toronto show encouraging yields.

Mr. F. L. Powke of Oshawa, who handles a great deal of the seed from Oshawa eastward, reports an extra fine sample of seed. Many fields are threshing four to six bushels per acre.

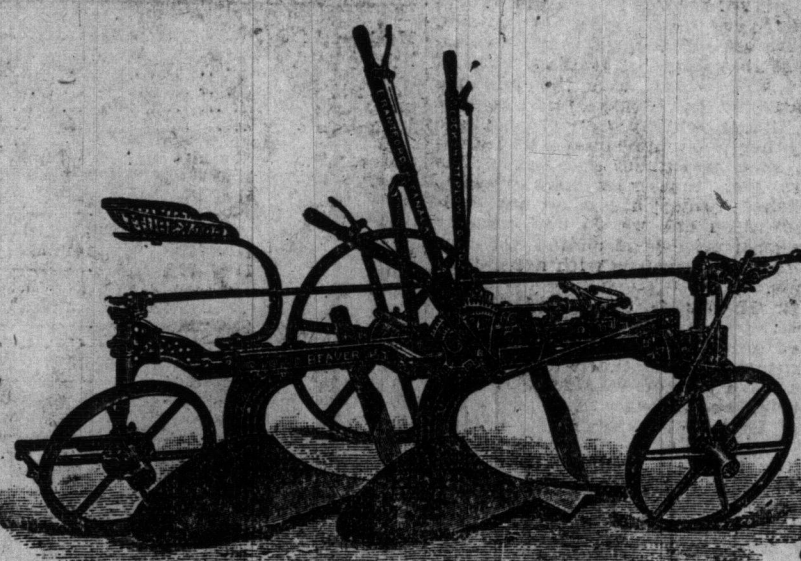
Mr. J. A. Simmers, seedman of Toronto, says that reports are very good for a very fair yield. Some trouble with weeds is being met with by the farmers. These could largely be gotten rid of by handpicking, but this is a tedious process and is too often neglected. Curled dock is the greatest enemy to alsike seedmen.

"How will prices open up?" asked The World. "Well, it is a little early to say yet and our information is too meagre as yet," responded the shrewd dealer, "to give a price on this year's crop. In all probability it will open around the \$7 mark."

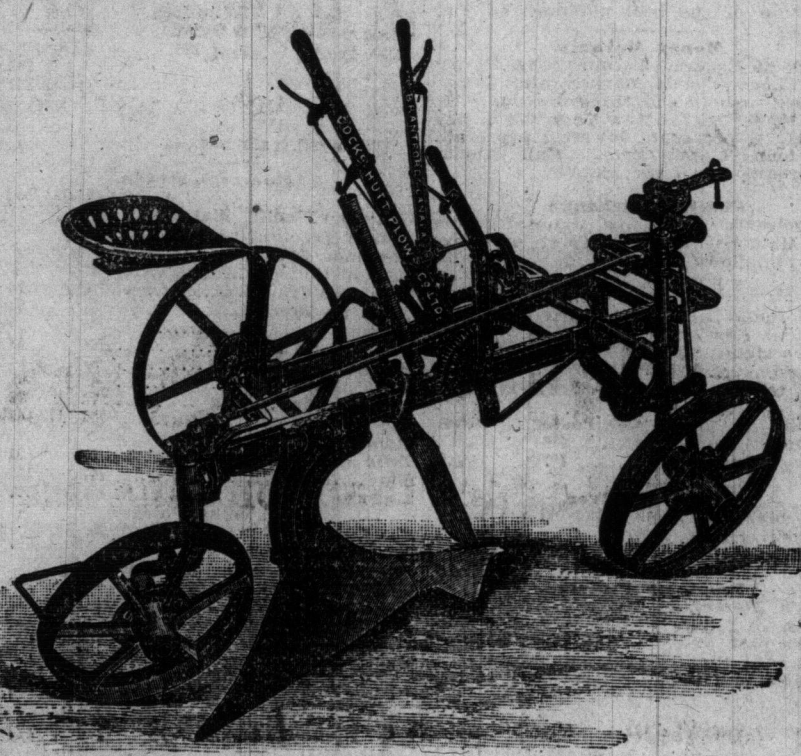
Messrs. William Rennie & Co. and Steele-Briggs Co. could not quote prices, but hope to be able to give full

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is for the Man who Wants the Best



Three horses, one man, and a "Beaver Gang" will do more work in a day than two men, four horses and two ordinary plows.

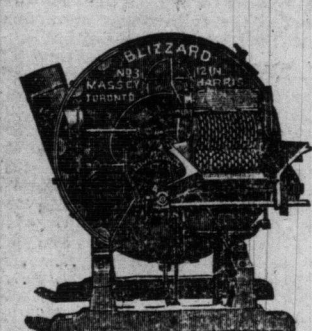


Different Bottoms that can be attached to the Beaver Gang or Beaver Sulky:—Kid Kangaroo Bottom, Kangaroo Bottom, Nip Bottom, Judy Bottom.

This means that with the Beaver any style of plowing can be done.

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GREAT CAPACITY: Feed rolls, cutting head and pneumatic elevator are all designed with regard to handling a large amount of fodder in the shortest possible time.

THOROUGH WORK: Corn can be cut 1-4 in., 1-2 in., 3-4 in. or 1-2 in., as desired. Knives are easily adjusted and can be quickly removed for sharpening. Three styles of head can be furnished, thus adapting it to any conditions.

SAFETY AND CONVENIENCE: The feed-rolls may be instantly stopped or reversed; the operator has perfect control.

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particulars the first of the incoming week.

George Keith has some reports in and it appears that seed is coming in this year from districts where none was produced last year. "On the whole," said George Keith, jr., "I am inclined to think that the yield this year will not be as good as last year. Prices will run from \$4 to \$7.75 for the opening crop. The greatest weed pest is the catchfly."

Just what the foreign market will develop is yet uncertain and Mr. Keith along with The World would like to know, so as to gauge prices.

Civic Holiday Outings to Rochester, 1000 Islands, Brockville and Prescott via the Richelieu and Ontario Navigation Co. The low rate Saturday to Monday tickets will be extended to permit passengers to return, leaving destination Monday, Aug. 3rd, arriving in Toronto Tuesday morning, Aug. 4th. This is a splendid opportunity to enjoy a delightful outing at a minimum cost. Tickets can be obtained and berths reserved in advance at ticket office, 2 East King-st.

FARMS FOR SALE.

FARM FOR SALE—IN MARKHAM Township, three miles from Stouffville, containing one hundred acres, choice arable land with frame house, barn, stable, implement house, good orchard, unfailing spring creek; will sell on reasonable terms. Apply to B. L. Bennett, Ringwood P.O.

50 ACRES OF CULTIVATED LAND—East of Streetsville, about 13 miles from city limits; good dwelling, bank barn, cement hoppen, good henhouse, plenty of water, well fenced, all cleared. Box 14, World.

\$9000—LOT 13, CONCESSION 4, EAST York; contains 11½ acres and is level, well cultivated, 2 acres young orchard; land is good loam; good well, new barn 50x72, stable inside, brick house, convenient to school and postoffice. Apply Mrs. A. J. Wilson, 78 Stephenson-avenue, East Toronto.

35 ACRES GOOD LAND IN GOOD state of cultivation, one-half acre orchard, splendid house, fine outbuildings, all cleared, excellent roads, three miles from Whitby. Terms easy. P. J. Coffey, 4th concession, Whitby, Ont.

AT LOT 12, CONCESSION 10, MARK-ham, 13 acres, more or less, good frame house, bank barn with stone cellar, pig pen, about one acre good orchard, good well, well fenced, all cleared, in good state of cultivation, near school and railway station, suitable for gardening work. Terms easy. Write for particulars to James Jarvis, Green River, Ont.

FIRST-CLASS FARM FOR SALE—Under good cultivation, spring creek, bank barn, stabling, brick house. Apply R. W. Ward, Clarendon.

CONTAINING 110 ACRES, IN LOT 16 concession 4, West York. Apply L. Jackson, 575 Church-street, Toronto.

TWO FARMS FOR SALE, NEAR LO-cust Hill, 25 miles from Toronto, centre of rich farming district; clay loam; good buildings and fences; Write for particulars to A. C. Reesor, Locust Hill, Ont.

BARN TO RENT.

TO LET FOR A TERM—THE BARN lately occupied by J. B. Hogate, in Weston; contains 20 large box stalls, electric light, water all through and telephone; it is close to G.T.R. and C.P.R. and terminus of Toronto Suburban Railway. For terms and further information apply to W. J. Bourke, Weston.

BEAUTIFUL TWO HUNDRED ACRE farm, nine miles from West Toronto; no broken land, fences fine, well watered, large brick house, with furnace; bank barn, fifty by ninety; implement house, workshop, etc.; lots of good well water; thirty acres bush and pasture; none but first-class man need apply. Particulars, F. J. Lampliner, Erindale, Ont.

YORKSHIRE PIGS FOR SALE.

YORKSHIRE WHITE PIGS, IMPORT-ed and from all areas for sale. Eggs for hatching from pen of Barred Rocks, beauties, mated with 12-h. cock; select pen of Houdans, 8 per setting. W. F. Diney, Greenwood, Ont.

VEGETABLES.

TOMATO PLANTS, VEGETABLES IN season. Thos. W. Bonnell, Market Gardener, Whitby, Ont.

POULTRY AND EGGS.

EGGS FOR SETTING—S. C. WHITE Leghorns, Barred Plymouth Rocks, \$1.50 per 13, \$2.00 per 25. Set eggs can be made up out of both pens if required. F. C. Strongtham, Donlands, Ont.

FOR SALE.

FOR SALE—31 WHITE ROCK CHICK-ens, 1 year old, 4 grey rock hens, Miss Hyfield, Brooklin, Ontario.

FOR SALE.

FOR SALE—YOUNG, FRESH CALVED cow, calf, and pig, a grand milker. Price \$35, or will exchange for fat cow; also a nice delivery horse; price \$55. Try-out given. Apply H. A. Jinks, 120 Coxwell-avenue, near Woodbine.

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Reduced Rates for Civic Holiday via Grand Trunk Railway System. Return tickets will be issued at single fare to all stations in Canada, including Muskoka, Lake of Bays, Georgian Bay, Magnetawan River and Kawartha Lakes, also to Detroit and Port Huron, Mich., Buffalo, Black Rock and Suspension Bridge, N. Y. Good going Aug. 1, 2 and 3, return limit Aug. 4, 1908. Secure tickets at city office, northwest corner King and Yonge-sts.

Seeks Damages.

Edwin Faircourt, expressman, has issued a writ against the firm of Smith, Baggs and Heaven, claiming damages for alleged false arrest. He was the victim of another man's crime and was

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THERAPION is sold by principal Chemists throughout the world. Price in England 5/6 per packet. In order, state which of the three numbers required, and observe that the word "THERAPION" appears on British Government Stamp (in white letters on a red ground) affixed to every package by order of His Majesty's Hon. Commissioners, and without which it is a forgery.

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