



OFFICIAL PROGRAM
OF THE
West Lambton
Farmers' Institute



Season of 1911-1912

R. Laidlaw Lumber Co.

(Formerly W. F. LAWRENCE & SONS)

Lumber at Satisfactory Prices

Let us figure on your

Barn or House

Mill: Devine Street, SARNIA

THE CANADIAN BANK OF COMMERCE

SIR EDMUND WALKER, C.V.O., LL.D., D.C.L., PRESIDENT
ALEXANDER LAIRD, GENERAL MANAGER

CAPITAL, - \$10,000,000 REST, - \$8,000,000

MONEY ORDERS

The Money Orders of The Canadian Bank of Commerce are a safe, convenient and economical method of remitting small sums of money. They are payable without charge at every branch of a chartered bank in Canada (except in the Yukon Territory) and in the principal cities of the United States.

The Orders and full information regarding them may be obtained on application at the Bank.

In the event of loss of a Money Order the Bank will, on receipt of a satisfactory guarantee, make arrangements to refund the amount of the lost Order.

SARNIA BRANCH

A 732
J. L. SUGHAN, Manager

In the Town of Sarnia,
In the County of Lambton

Are made two brands of flour that
cannot be surpassed for excellence in
any County of any Province of this
Broad Dominion,

Bonnie Doon flour is the cream of western hard wheat, and makes the lightest, whitest bread and more loaves to the barrel than any other.

The Queen brand is a blended flour made from half Ontario fall wheat, and half hard western spring wheat, and is by many preferred to any flour made from spring wheat alone.

You get better value for you mon-
ey in these flours than in any other.

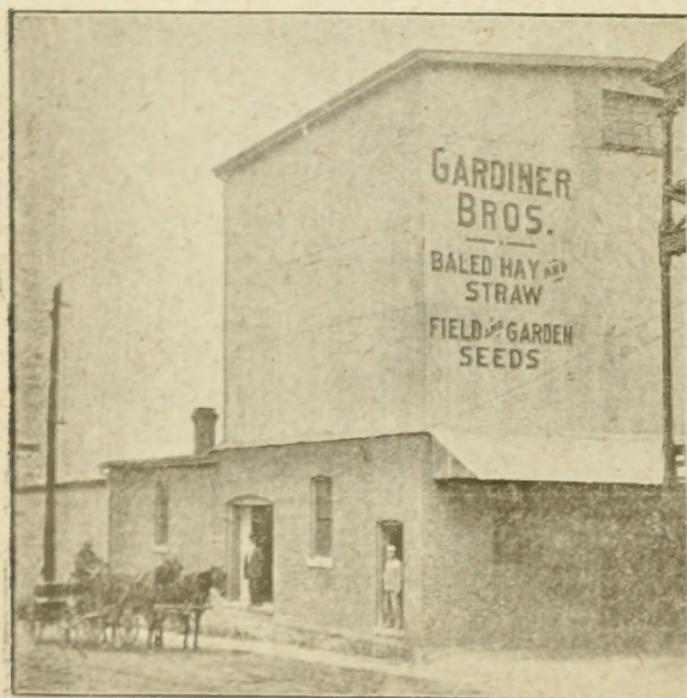
The King Milling Co., Limited
SARNIA

THE R. STIRRETT CO.

**Of the County
In the County
For the County**

Lambton's Department Store

**THE R. STIRRETT CO.
PETROLEA**



**Flour
Feed
Seeds &
Fertiliz-
ers**

**GARDINER
BROS.**

THE MOLSONS BANK

Incorporated 1855

Capital, all paid up	-	-	-	\$4,000,000
Rest Fund	-	-	-	\$4,600,000
Total Assets, over	-	-	-	\$44,000,000

Has 83 Branches in Canada, and Agents and Correspondents in all the Principal Cities in the World.

A GENERAL BANKING BUSINESS TRANSACTED

Savings Bank Department

AT ALL BRANCHES

Interest allowed at highest current rates

OFFICE:

Masonic Temple Building, Petrolia

F. A. JOHN'S, Manager

Vantuyl & Fairbank

SHELF AND GENERAL HARDWARE, OIL
AND WATER WELL SUPPLIES
FARMERS' SUPPLIES

Portland Cement, Standard Field and Hog Woven Wire Fencing, Coiled Spring Wire, Barbed and Plain Twist Wire, Plain Galvanized Wire, Plymouth Binder Twine, The Sherman-Williams Celebrated Prepared Paints, The Sharpless Cream Separator, Enameled ware, Sterling Silver and Cut Glass.

NOTE.—We make a specialty of Creamery Cans, Milk Pans, Milk Pails, Sap Pails, Dinner Pails, Copper Bottom Boilers, etc., all HAND MADE, from the best materials.

STORES AT

Petrolia,

Oil Springs,

Bothwell

To The Citizens of the West Riding of Lambton—

Ladies and Gentlemen:—We take this opportunity of presenting you with the official programme of the West Lambton Farmers' and Wemens' Institutes. We expect that every ratepayer in the riding will receive a copy which we hope you will read carefully. In former years we believe there were many of you who received no notice of our meetings as it is difficult to get handbills properly circulated. Therefore the meetings of the Institute were not so well attended as they should have been. But we request that you keep the date of your nearest meeting open, so that you may be able to attend the series of meetings for 1912 advertised in this program. In the past this district has been supplied by the Department of Agriculture with delegations that have given splendid satisfaction, and we believe that the present series of meetings will be no exception to the rule. We hope that all will take advantage of meeting together to discuss the many important questions that affect the farmer. Subscriptions to the following agricultural papers will be taken at the rates as given below. Farmers' Advocate \$1.25. Farm & Dairy 85c. Canadian Farm 75c. Weekly Sun 75c. These prices are good to members of the Farmers' Institute only. The secretary gets a straight salary, and every cent of the commission will be credited to the institute. To intending purchasers we would refer you to the columns of this booklet, believing as we do that the gentlemen who have assisted in getting up this is official programme are men of sterling character and business ability who will be pleased to save you money when dealing with them in their respective lines. Please ask for their prices before purchasing elsewhere.

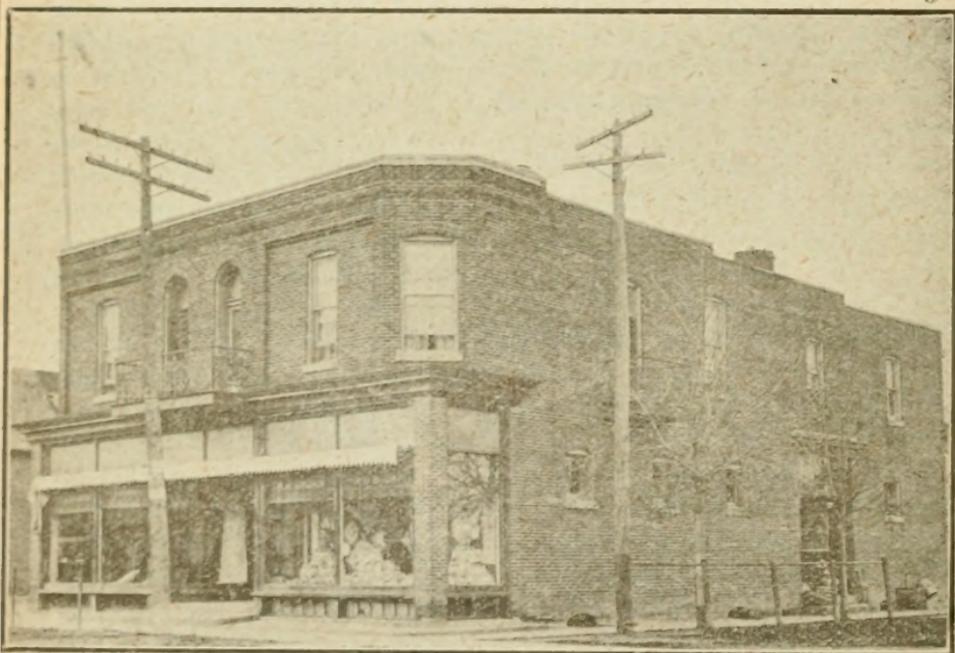
In anticipation of your assistance and co-operation in our coming series of meetings we hope for splendid results. Wishing you all a prosperous New Year. We Remain, Ever truly,

Your Obedient Servant,

THE EXECUTIVE.

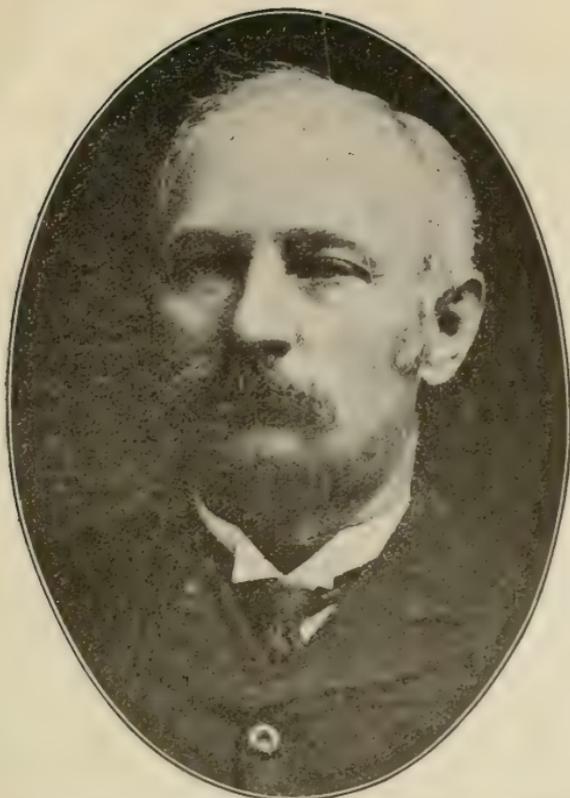
Bridgen's Best Store

¶ One of the Largest, Brightest, Cleanest and most Up-to - Date General stores in Western Ontario.  



¶ The Store where you can buy everything you want at the right price. 

R. B. BROWN



HON. JAS. DUFF, Minister of Agriculture.



GEO. A. PUTNAM,
Supt. Farmer's Institute

We Appreciate the Farm- ers Trade

And try to keep in stock every remedy and toilet article they require. We stand behind the quality of anything we sell; if you are not satisfied with any article purchased here, return it and we will gladly refund your money.

GUARANTEED REMEDIES

Sold by us are Clement's Condition Powder, Worm Powders, William's Fly Oil, Zenoleum, Ben Carr's Condition and Cough Powders. We are Sarnia Agents for Royal Purple Stock and Poultry Specifics; fully guaranteed by us. We know they are of A No. 1 quality.—Try Them.

OTHER REMEDIES

Pratt's Foods; Newton's Cough Powder, Dick's, Everett's, Flint's, Young's Condition Powders, Gombault's Caustic Balsam, Absorbine, Save-the-Horse, Kendal's, Etc.

Everything for the Farmer's Use, and the Best of Prices

Sarnia Clement Drug Co., Ontario

ANDREW B. JOHNSTON, Prop.

The Hayne Milling Co., LIMITED Bridgden, Ontario

===== MILLERS OF =====

Flour, Rolled Oats and Cereals

3-point blended flour leads them all for
"quality." We give it in exchanging.

A full line of Feeds: Bran, Shorts, Oat Feed Cho. Feed, Etc.

Best place to sell your grain and do your gristing

PROGRAM OF MEETINGS

January 24th—Petrolea, Council Chamber, at 2 P. M. and 8 P. M.

Speakers afternoon, D. JAMES, Thornhill,
W. H. PORTER, Petrolea.

Evening, D. JAMES, Thornhill,
MRS. W. B. FERGUSON, Strathroy
W. H. PORTER, Petrolea.

D. JAMES, Thornhill.—Mr. James took possession of the farm on which he now resides some thirty-four years ago, and has succeeded in converting it from a bed of weeds and rubbish into a clean systematic and well-equipped farm. He is a believer in general farming, as will be seen from his list of subjects. Some thirty years ago Mr. James and his neighbors formed an association and held weekly meetings throughout the winter. At that time he began the collection of a library, and today has one of the best equipped agricultural libraries to be found among practical farmers.

Subjects:—

- “Destruction of Weeds.”
- “Home Dairying.”
- “Growing and Curing Alfalfa.”
- “Corn for Ensilage.”
- “Feeding of Farm Animals.”
- “Poultry on the Farm.”
- “Some Mistakes Made by Farmers.”
- “Boy Life and Bird Life as Viewed from the Farm.”

Mr. W. H. Porter is a graduate of the O.A.C. and is at present working in conjunction with our District Representative, Mr. S. E. Todd at Petrolea. He will be prepared to speak from a scientific and also a practical knowledge of his subjects.

Subjects:—

- “Drainage,”
- “Fertilizers.”
- “The Sheep Industry.”
- “Education and Farming.”

MRS. W. B. FERGUSON, Strathroy.—Mrs. Ferguson, formerly Miss Agnes Smith, of Hamilton, since giving up work as a Departmental delegate some four or five years ago, has been active in

FARMING A BUSINESS

Farming is just as much a business as banking or manufacturing, etc., and as such should be placed on a business footing. Though you know what the greatest need on the farm is, to reduce the cost of production and save labor, you sometimes have not the cash to finance the change from the old way to the new. The Traders Bank assists its customers in every way consistent with sound banking.

OPEN AN ACCOUNT

Capital and Surplus
\$6,650,000

Total Assets
\$51,000,000

The Traders Bank of Canada

R. H. HARVEY, MANAGER
Sarnia, Ontario

*A Thing
of Beauty
is a Joy
Forever.*

—*That is why our
—Photographs
—always please our
—Customers*

T. A. Cairns
Sarnia

local organizations, and the Department is fortunate in securing her for a regular series of meetings this season. Scientific training in Domestic Science and Dairying, practical experience on the farm, and her ability to present information in a pleasing, forceful manner insures effective work on the part of Mrs. Ferguson.

Subjects:—

“The Conveniences and Labor Saving Devices we may have in our Homes.”

“Health a Duty.”

“The Place our Institute may fill in our Lives.”

“The Power and Value of the Ideal in our Lives.”

January 25th—Sarnia, Council Chamber at 2 P. M.

Speakers, D. JAMES, Thornhill

C. M. FLECK.

Mr. Chas. M. Fleck, of Corunna, is the owner of one of the finest farms in Lambton County. His experience as grower of corn and sugar beets, the building of silos and feeding beef cattle and hogs place him in possession of a sound practical knowledge of farming which he is able to impart to others in a convincing manner.

Subjects:—

“The Cultivation and Harvesting of Corn.”

“Is Sugar Beets a Profitable Crop?”

“Crop Rotation.”

“The Management of Stock.”

“Science in Farming.”

January 25th—Bunyan School House at 8 P. M.

Speakers MRS. W. B. FERGUSON, Strathroy,

January 26th—Becher, Foresters' Hall, at 2 P. M. and 8 P. M.

Speakers afternoon, C. M. FLECK,

D. JAMES, Thornhill.

Evening, C. M. FLECK,

MRS. W. B. FERGUSON,

Strathroy,

D. JAMES, Thornhill.

January 27th—Brigden, McKenzie's Hall at 2 P. M. and 8 P. M.

Speakers afternoon, C. M. FLECK.

D. JAMES, Thornhill.

Strathroy,

D. JAMES, Thornhill.

... THE ...
John Armstrong
COMPANY

Importers and Dealers in
General Merchandise
INCLUDING

Dry Goods, Millinery and Mantles, Furs, Carpets and Furnishings, Groceries, Crockery and Glass Ware, Men's Clothing and Furnishings, Boots and Shoes, Hardware and Harness, Stoves and Tinware, Furnaces, Steam and Hot Water, Boilers, Plumbing, Farm Machinery, Buggies, and Cutters, Wagons and Sleighs, Windmills, Etc.

In the above lines we carry the largest and best assorted stock in the County of Lambton, and at all times guarantee prices lower than our lowest Competitor.

We are also buyers of all kinds of Farm Produce, including Butter, Eggs, Poultry, Cheese, Lard, Pork, Wool, Apples, Potatoes, and Vegetables, Seeds, Etc., for which, we at all times pay highest marked prices.

Why?, under these circumstances, send your Money to outside Markets, when we can do as well, or better, than any other Firm in existence, and stand behind every Dollar's Worth of Goods We offer for Sale.

Trade at Home, Build up Home Industries, and
Save Money by trading with

The John Armstrong Co.,
BRIDGEN, ONT.

Supplementary Meetings

February 6th—Wilkesport, in Regan's Hall, at 2 P. M. and 8 P. M.

Speakers Afternoon Meeting, S. E. TODD, Petrolea,

F. H. SILCOX, Iona.

Evening Meeting, F. H. SILCOX, Iona,

MRS. THOS. SHAW, Hespeler,

S. E. TODD, Petrolea.

F. H. Silcox Iona—Mr. Silcox is a farmer's son and has managed a 100 acre farm of his own for the last 12 years. He is a graduate of the Ontario Agricultural College and an ex-President of the West Elgin Farmers' Institute. He has had a life-long experience in growing Alfalfa, improving worn-out weedy land, and in breeding and marketing Light Horses, Leicester Sheep and Jersey Cattle.

Subjects:—

"Alfalfa Growing."

"Intensive Farming on 100 Acres."

"A Few Phases of the Light Horse Industry."

"Seed Demonstration."

"The Farm and Home."

MR. S. E. TODD, B. S. A.—Our District Representative, requires no introduction to the residents of Lambton and we esteem it as a very great favor that we can state that he will be with us on our series of meetings. Come and get better acquainted with him.

Subjects:—

"The Underlying Principles of Feeds."

"That Ancient Apple Orchard."

"Co-Operation in Marketing."

Evening Subject:—

"The Practical Farmer."

MRS. THOS. SHAW, Hespeler.—Mrs. Shaw has been an enthusiastic worker in Local institutes as well as a representative of the Agricultural Department in this Province and Nebraska. Her prac-

The Industrial Mortgage & Savings Company

SARNIA, ONT.

Paid up Capital,	-	-	\$511,000.00
Reserve Fund,	-	-	192,159.82
Assets,	-	-	1,784,051.56

BOARD OF DIRECTORS

JOHN COWAN, K. C.,	-	-	PRESIDENT
W. G. WILLOUOHBY,	-	-	1st Vice PRESIDENT
JOHN. McFARLANE	-	-	2nd VICE PRESIDENT
WM. McDONALD			BYRON STEPHENS
M. McGUYAN			WM. ARMSTRONG
WM. G. HALL			DONALD SUTHERLAND
			PETER FRANK

Under the laws of the Province of Ontario, the Industrial Mortgage and Savings Company of Sarnia, Ont., is a legal depository for Trust Funds.

Deposits of one dollar and upwards received and interest compounded half-yearly. Highest Current rates paid.

Debentures of \$100 and upwards issued, bearing interest at 4 per cent. per annum, payable half-yearly.

Are you a Depositor or Debenture holder of this Corporation? If not we invite your account.

The Industrial Mortgage & Savings Co.,

D. N. SINCLAIR, Manager

tical experience and tact insure addresses of value and interest.

Subjects:—

“Beneficial Suggestions to Branch Institutes.”

“Worry, Work, Waste.”

“Some More Things Women Should Know.”

“Listen, Learn and Love.”

“What is Worth While.”

“Some Advantages of a Country Home.”

February 7th—Rutherford Tp. Hall, at 2 P. M. and 8 P. M.

Speakers Afternoon and Evening F. H. SILCOX, Iona,
S. E. TODD, Petrolea.

Evening Meeting, MRS. THOS. SHAW, Hespeler,
S. E. TODD, Petrolea,
F. H. SILCOX, Iona.

February 8th—Oakdale School House, at 2 P. M. and 8 P. M.

Speakers Afternoon Meeting, S. E. TODD, Petrolea,
F. H. SILCOX, Iona.

Evening Meeting, S. E. TODD, Petrolea,
MRS. THOS. SHAW, Hespeler,
F. H. SILCOX, Iona.

February 9th—Oil Springs, I. O. O. F. Hall, at 2 P. M. and 8 P. M.

Speakers Afternoon Meeting, F. H. SILCOX, Iona,
S. E. TODD, Petrolea.

Evening Meeting, MRS. THOS. SHAW, Hespeler,
S. E. TODD, Petrolea,
F. H. SILCOX, Iona.

February 10th—Colinville, C. O. F. Hall, at 2 P. M.

Speakers, MRS. THOS. SHAW, Hespeler,
F. H. SILCOX, Iona.

February 12th—Courtright, Stewart's Hall, at 2 P. M.

Speakers, JOHN A. McBEAN, Brigden,
F. H. SILCOX, Iona.

S. Walton will give a demonstration on cream testing and will explain reasons why test varies.

February 12th—Corunna, Proctor's Hall, at 8 P. M.

Speakers, JOHN A. McBEAN, Brigden,
MRS. THOS. SHAW, Hespeler,
F. H. SILCOX, Iona.

Meetings will select their subjects. Bring your program with you.

Several local men will assist at the meetings.

The Woollen Mills Company

Limited, Sarnia

—Famous for Suits for the boy, for the youth, for the man, at any figure you want to pay—Famous for Overcoats in sizes and prices to suit every purse.—Famous for Underwear for the Child, Misses and Women, for the Boy, Youth or the Man any and every kind and price—Famous for all kinds of knitted goods, such as Ladies Golf Jackets and Sweater Coats, Hosiery, etc., etc.,

The Woollen Mills Company

Limited, Sarnia

THE CROWN SAVINGS and LOAN COMPANY

PETROLEA

Capital \$223,300 Reserve \$61,000

Money Loaned on Farm Mortgages,

Interest allowed on Savings Deposits,

Debentures issued for from two to five years, with half-yearly Interest Coupons,

Legal investment for Trust Funds.

J. H. Fairbank,

President

J. L. Englehart

Vice President

Wm. English, Manager

Early Days in Moore Township

By MR. ROBERT FLECK

In undertaking to sketch a brief article of this township, now an important section of our Province, from memory, and extending to a period of three score and ten years, it may be perplexing to write just what is of most interest to a reader of to-day of the many incidents and marvellous changes which in that long period have taken place. To now pass over this beautiful township, it would be hard indeed to realize the inconvenience, hardship, and discomfort of an early pioneer. The township was surveyed in the early thirties, fronting on St. Clair River, which maintains an almost straight southerly flow, a distance of ten miles along its western boundary. The greatest length of the township easterly from the river is at concessions two and three, and its shortest is at ten and eleven, and excluding the highways it has an area of about one hundred and fourteen square miles. The river lots number from the south northerly, and extend to seventy-two, are uniformly eleven chains wide on the river, which is called the Front Concession and each lot is about one mile and eighth in length and supposed to be one hundred acres. The rest of the lots number from the east, and each lot is supposed to contain two hundred acres, except a few gores caused by bends in the river. The Front road follows the River for about six miles; the other four miles had to be located a short distance away owing to difficulties of the ground. Along the concessions every third lot has a side or cross-road, and all the roads four rods in width. The only village in the original survey was Cerunna, which may be said to occupy four hundred acres of land. Tradition has it that at the time of survey it was intended for a city. Those in authority, well remembering the events of 1812 with our Southern neighbors, planned to erect a protecting fort on the Island opposite and not only defend the city to be, but control the River. Well, if such was the design those who planned failed to anticipate the evolution of modern gunnery or the protecting shield of the steel clad battle ships. However, these things may be, the village was well laid out—several of the main streets six rods in width, a plot on the River bank reserved for fish market and near the village centre a great Reserve called "St. George's Square." The situation was certainly beautiful, the land very fertile and forty or fifty feet above the river.

At one time it was a great market for cordwood, and the added call of boats made considerable business; but Sarnia, only six or seven miles distant, got the lead and ever after has maintained it.

At an early date a nice little commencement of a village began

to show itself about a mile and a half further north, called **Froomefield**, I suppose in honor of Squire Froome Talfourd, a very clever man in his day, whose residence for many years was here. A very primitive water mill was erected about seventy years ago on the creek, quite close to what is now the cemetery. A great earthwork served to raise the water, and by this power some sawing was done. Many years later the late Mr. James Major built a good saw mill on the river, and for years a fair business was done in sawing and selling lumber. A very large and imposing wind mill was built here by the late Mirza Proctor, the father of a numerous family, who reside in Sarnia and Moore. It had good machinery for those far-off times—fine French Burr mill stones—and when the wind blew hard enough it made fairly good flour, when good wheat was forthcoming. Earlier yet than the appearance of Froomfield, there came from the land of Burns a clever gentleman named Sutherland, who purchased a valuable tract of land on the river, just north of what is now the Village of Courtright, and directly opposite the City of St. Clair. His ambition was to establish a village, and indeed it did at that time look well adapted for the enterprise. He built several good houses, extended a splendid wharf far out to the deep waters of the river, built a fine large warehouse thereon and got some goods, made ready for customers; but alas! there were none available, and being well advanced in life, this eagerly well meant, enterprise fell through.

When surveyed the whole township was covered with a splendid growth of timber, of oak, hickory, ash, elm, and other varieties. On the east half of lot ten in the tenth concession there were some splendid pine and towards the south west and north easterly were considerable groves of tamarac and along some of our creeks notably Bear Creek or the north branch of the Sydenham some fine walnuts. Pretty much all these valued forest productions had to go for what they would bring. Oak and walnut logs were split into fence rails, etc. Pine trees three feet at the stump and forty to fifty feet without a limb sold for three dollars or four dollars; large oak trees as low as fifty cents and elm and other trees voted a nuisance. Of course people had to live and if they intended to farm the trees must be removed.

There were few evidences of Indian occupation discovered in this township. This may be explained by the dense growth of timber and in many places the lowness of the ground, and beyond a flint arrow head and an earth work or enclosure of earth on lot 25, eleventh concession, the red man left few marks that he ever trod those wilds. At certain seasons the deer were plentiful and a short ramble in the forest was sure to start one or more of those beautiful swift footed animals and often were seen large flocks of turkeys

while nightly, it was not uncommon to hear the hideous howls of pack of wolves.

The difficulties of draining to the early settlers of much of the township remote from natural creeks did seem to many to be unsurmountable. The great bulk of the township was a pretty heavy clay subsoil covered by a few inches of decayed vegetable matter, principally rotten leaves. The fall was seldom sufficient to cause a heavy rain to freely run off, and the nature of the subsoil refused to permit the water free passage downward. The 10th Concession from the rear of the front lots to near its eastern limits was the divide from north to south of natural flow. And the surface incline of a great part of the township of only three or four feet to the mile, and the absence of natural creeks, it is obvious a heavy rain at any time of plant growth would be slow in getting away. As long as the oak and cordwood lasted and potash manufactured, the loss of crops by flooded fields was not so severely felt but about 50 years ago, a serious change took place, and something had to be done to make the land no longer timbered, fit for farming. Many of our roads were not cleared of timber and when cleared were awful to travel from the low swampy nature of the soil, and the only way by which the settlers to the south-east of the township could get out was sixth concession westward and northerly by side line 12 and 13. It was years before we enjoyed postal facilities. A little store just south of what is now Mooretown kept by Mr. James Baby afforded our only chance to get a stray letter from abroad, and for newspapers, few indeed they were who got one to read. Of churches, a red brick building erected on his farm just north of the present Courtright by the late Mr. Sutherland before referred to, was the solitary structure of its kind in the township. As for schools, well, don't mention the two or three where 30 or 40 pupils came together, to learn from a teacher who collected a quarter of a dollar a month from each pupil to clothe himself, and who boarded around with the pupils week about unless they came over two miles in which case nearer accommodation in some cases was provided for about a dollar a week.

The foregoing indicates the dark period of our history. Then if we realize a journey through brush wood and all kinds of obstructing timber, and over snow and ice in winter and water and mud in spring, summer and autumn, often a long distance to so delectable a school house, the reader of today may in some measure realize the pursuit of learning under difficulties. At last the condition of the settlers had reached a crisis in many parts of the township, the residents "were at the parting of the ways," The district councillor gave way to a local council of five members in each township, one of whom was to be Reeve which would correspond with the district

so much talked about now by aspirants to the legislature. Authority was given to a council to undertake and carry out drainage and other work as local improvement to be paid for by the land benefited over a number of years. The council could issue debentures on a special rate and pay the cost of the work as it progressed. Here is briefly stated the authority on which our local improvement was authorized which has been so very beneficial to this Province and particularly so to the three counties of the old Western District. And now for our first experiment. One of the members of our council, the late David Hossie was aware of the existence of a large tract of land much of which was low, swampy and part of it covered with tamarac woods and lying to the north-east of the township. The only outlet for the surface water except by evaporation was northerly to the head of the Perche Creek, thence through Sarnia township to Lake Huron. Getting necessary petition to the council for the drainage of this locality, Mr. Hossie secured the service of an engineer, a survey was made, and levels taken, and it was found there was a fairly good fall for a short distance in the adjoining township. The work went on and it was eminently successful. Other members of our own council as well as others took up similar enterprises and it was not many years till every part of the township was placed within easy access of fairly good outlets. The well drained land allowed the tiller of the soil to sow without the danger of flooding, and not that alone, the removal of stagnant water made the township healthy. No longer was a fever and ague patient to be found in almost every hamlet. No longer whole herds of fatted cattle died of that mysterious scourge called murrain. Moreover the judicious construction of drains near our early opened turnpikes afforded opportunity for a substantial well graded turnpikes. These changes were apparent in a couple of years, and these local councils were gifted with extensive powers, and thus opportunity was afforded the little local Parliaments within their respective townships, power to undertake progressive legislation few years and bright results followed. Land in the south-west of Sarnia, which a few years previous sold at public auction for fifty cents an acre, was bought by drainage to be well adapted for farming and soon sustained a teeming population, erecting substantial homes schools and churches, replacing tamarac and older swamp and worthless duckponds of the past.

Sarnia, December 2nd, 1911.

ROBT FLECK



J. M. WEBSTER
President West Lambton Institute

THE FARMERS' INSTITUTE

To the Institute goes every farmer,
Of knowledge to gain a good store.
And those who have always been thrifty,
Shall prosper each year more and more.
They learn to fill silos and hay mows,
Not to build their straw stacks all afloat
They find out the times and the seasons.
Their corn and potatoes to plant.
They hear that the bugs in the orchard,
If eaten by hens, make them lay,
They earnestly study a fence to contrive,
In his own field will make the pig stay.
Thus with diligence labors the farmer.
To provide everyone with good cheer.
"To live and let live," "is his motto.
He wishes YOU a Happy New Year."

E. P. BATTLEY,

Jeweller, Silversmith, Optician

We have the most complete and attractive stock of Jewellery to be found in Lambton. Our watch department contains all the high-grade clocks and watches. Repair work is guaranteed and charges are moderate.

We test your eyes and adjust your spectacles and glasses. No charge made for an examination of your sight.

E. P. BATTLEY SARNIA, ONT.

WHY PAY \$100 MORE?

For a Piano than its real value? Agent's salary, commissions and traveling expenses amount to from

\$75.00 to \$100.00

By buying direct from us, we save you this amount on your purchase. We buy for cash all the better grades of Canadian Pianos. Our's is the oldest established Music House in the West. A guarantee of 10 years goes with each Piano. We also carry Organs, Sewing Machines, Phonographs, and everything that music can be extracted from. Write for illustrated Catalogue.

Minifie's Music House

Established 1882

204 Front St., Sarnia

THE AGRICULTURAL FUTURE OF LAMBTON

By S. E. TODD, B. S. A.

The particular conditions which determine the directions of agricultural development that a district will follow are mainly four, soils, climates, markets and inhabitants. Let us then examine these four conditions and see what claims Lambton may make to a prosperous agricultural future.

In judging the value of the Soil for agricultural purposes one must take into consideration its origin, its chemical properties and physical features. The physical features of the soil of the County are especially favorable to farming. In the first place there are no great masses of rocks or loose boulders to interfere with the development of individual farms nor yet with the uniform development of the agriculture of the County. This point is of exceeding importance. All the physical features of the County conspire to favor a uniform and intensive agricultural development. Its character is uniformly level or gently rolling, its streams and rivers are just sufficiently numerous to afford good drainage, and there are great blocks of uniform soil, so as to allow the extensive development of each branch of farming, within a compact area. The chemical properties of the soils vary with the kinds. Available Nitrogen, Potash, Phosphates and Lime are the essential mineral characteristics of a fertile soil. The presence of Nitrogen is evidenced by luxuriance of tree growth, by the wealth of hay production and by the length of the straw of cereal crops. The presence of Potash and Phosphates is shown by the high color of fruits, by the filling of the grain and the luxuriance of the growth of such root crops as Sugar Beets. These latter also give indications of the presence of available Nitrogen. Some of the soils show a lack of Lime, but as this is one of the cheapest of the minerals to buy, its lack is easily corrected

The origin of the soil indicates that it is stored many feet deep with all of the chemical requirements of plants except possibly lime in parts of the County. The clay and clay loams are essentially of delta origin; they were laid down at the mouth of a great river or in the bed of a shallow lake. Such soil is always fine in grain and therefore the mineral matter is quite easily available to plants. De-

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bris, nearly all of animal or vegetable origin is also a considerable part and by decay has provided a large store of Nitrogen and Humus. These soils thus, are exceeding rich in plant food, they however also have the usual fault of delta soils; an inclination to be flat in character and close in texture. A general recognition of these two facts and the application of the sovereign remedy, thorough underdrainage will make these soils capable of surpassing productiveness and inexhaustible fertility. The lighter soils are of somewhat different origin. Some of them are the fine loams of the southern ice-drift, after the gravels and the coarser particles had been left behind in the counties to the north. The gravels usually mark the presence of an ancient lake shore and are the washings of the lake. All of them show marked ability to produce fruit trees and the finer vegetable products. There are in the county several beds of deep black loam, worthy of special mention as being of rare value for the production of vegetables, the beds of old Lakes Wauanoche and Burwell being examples of such. The county contains about 500,000 acres of clay and clay loam soils and 160,000 acres of various character and quality much of which is of special value for the production of fruits and vegetables.

In dealing with climates we must first recognize that Lambton has two distinct climates: 1, a climate strongly influenced by the near presence of large bodies of water; 2, an inland climate where the effect of waters are only flat in a general way and where more sudden fluctuations of temperature are prevalent. The Lake climate allows of the production of tender fruits to equal advantage with the Niagara district. Inland the climate fluctuates more but it is still so mild that any kind of apple tree produced in Canada succeeds admirably here. This same mildness gives a long season during which cattle may feed in the open. It also allows of corn being made a staple grain crop on the farms. These advantages of long pasture season and the ripening of corn so that abundant feed is produced, along with the character of the soil, places Lambton in the first rank as a fat stock and dairy district. Hogs and Corn the great staples of the Corn States of the Union, may also be made great industries in Lambton.

For many years Lambton was badly handicapped for markets. To-day she is in an ideal position. She is at the centre of distribution; North South, East and West she can ship her products, and everywhere an expanding market awaits. Compared with many counties, her position at the foot of Lake Huron and at the mouth of Sarnia Tunnel, both of which give her direct access by boat and rail to the Western and North shore markets, is indeed enviable.

After all the natural advantages are cited the real determining feature—the people, must be considered. Lambton has suffered

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from Western drain of her population. For a long time her mighty resources have been allowed to remain dormant. To-day, however the people of both towns and municipalities are uniting to build a greater Lambton. They have grasped the crucial fact of the situation i. e the hope of the county lies in the developmnt of her agriculture.

The people of the county to-day are aiming at doubling the population and trebling the production. The Sugar Beet is becoming a staple crop in the middle of the county; corn is being recognized as the farmers stand-by. Beef Cattle which has long been of fine quality are being grown on less acreage than formerly, draught horses are increasing in number and improving in quality. Lambton farmers however must learn to specialize in dairying, before they will begin to get full returns from tneir land.

The fruit lands are of untold value. Fifty years will make tremendous changes in the lake and river districts. How far inland this will extend we cannot at present say definitely, but we can confidently look for development as great as found in Niagara and Leamington. Already people are recognising what the future holds. Forest is the present centre of this development. Last year 75,000 fruit trees were planted next year probably 150,000 will be planted.

Vegetable production is making equally great strides. From Sarnia shipments have grown from hundreds of crates to carloads and shiploads. The celery growers in the region of Thedford are placing celery by the carload on Toronto markets with great profit and there is a keen demand springing up in the West for all vegetable products. The new canneries at Sarnia and Petrolia indicate the activity in these lines and also show the confidence that capitalists have in the future of the County.

Only an optimist can begin to measure its future prosperity; even he can only realize the glimmering of its dawn. The future development and full fruition of its mighty possibilities will astonish the senses of the men already born in Lambton County We have the goods.

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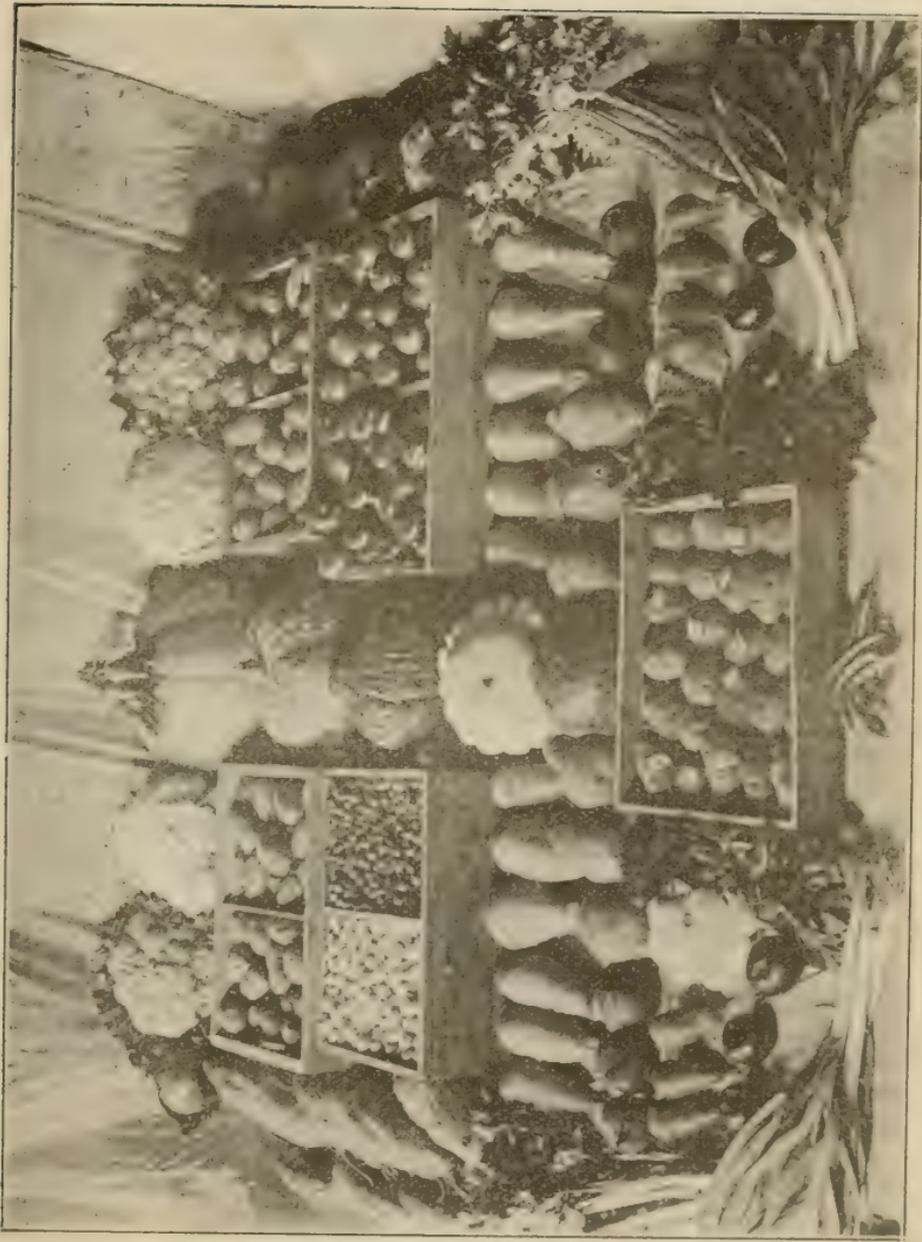
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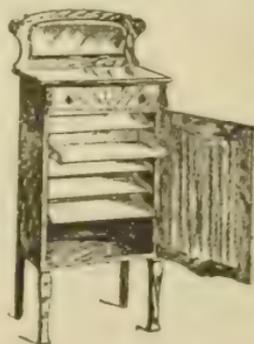
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Lucasville Afternoon January 25th.

Bunyan Evening Jan. 25th jointly with farmers.

Becher—Afternoon Jan. 26th

Becher Evening Jan. 26th jointly with farmers.

Brigden Afternoon Jan 27th Taylor's Hall.

Thornhurst Afternoon Feb 12th.

Colinville Afternoon Feb, 10th Jointly with farmers.

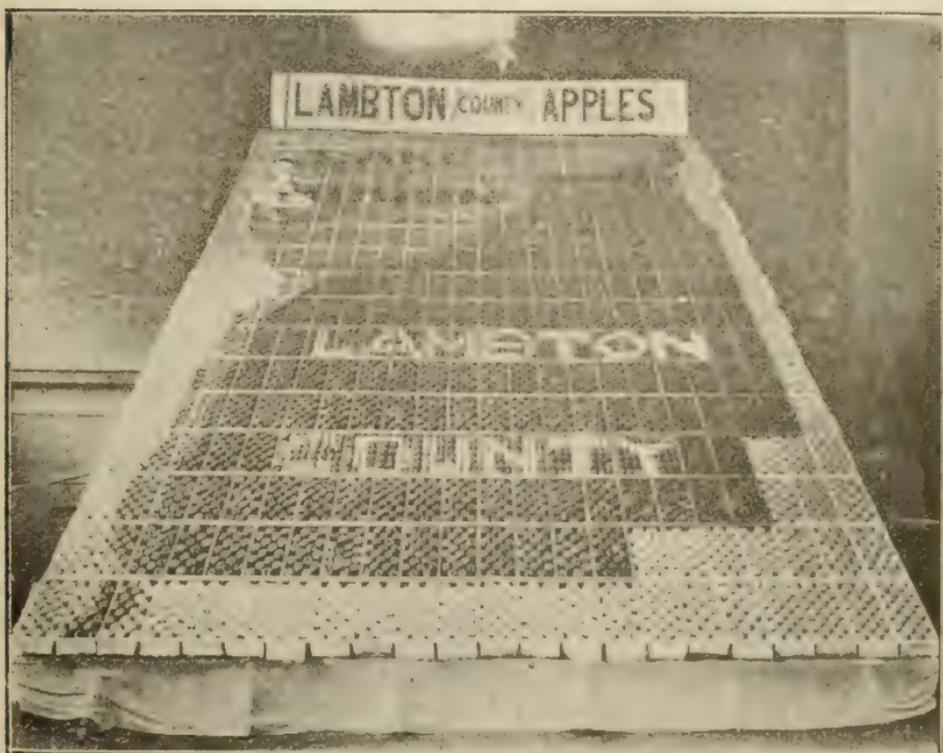
Corinna Evening Feb 12th Jointly with farmers.

Oil Springs Afternoon Feb, 9 I.O.O.F. Hall.

Oakdale Afternoon Feb. 8th Church.

Rutherford Afternoon Feb 7th Mrs. John Thompson's

Wilkesport Afternoon Feb 6th Methodist church



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The winter series of meetings of West Lambton Women's Institute to be conducted by delegates from the Department of Institutes will be held as announced on previous page.

This organization has been very successful and profitable in our county and it is confidently expected that the series arranged for this winter, will surpass in interest and value any previously held.

The increased membership and local work insures to West Lambton the sending by the Department of this most able and cultured delegates.

These Institutes were originally established for instruction in the arts and handicrafts of the working house keeper, and these subjects are still dealt with, but in response to the wishes of the members throughout the Province the work has been greatly expanded, until the course covers not only the work of a Girl's Technical school but very much of a Normal school training, with all the inspiration and mental culture of the best Mothers' Clubs and Literary Societies, and all the spiritual uplifts of Missions and Charity work.

Well informed people have, long since, ceased from criticism of "The Women's Club Movement," realizing that it is almost always beneficial, but it remained for the Ontario Legislature to give official sanction and financial support to Women's Institutes, "For the improvement of Canadian home life."

These Institutes are under close supervision from the Department and are required to be kept free from politics or sectarian prejudice, and are free and open to all women.

The money grants are sufficiently liberal to keep up the work in remote country places and the books and leaflets sent by the department are very useful and instructive, while the delegates sent twice each year are high minded, well educated women with whom it is always a pleasure to meet and converse.

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(See previous page for dates of meetings)

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