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NO. 51.

Farmers' Institutes.

VALUABLE ADDRESSES ON IMPORTANT FARMING TOPICS.

The winter meetings of the North Perth Farmers' Institute were held on the 9th and 10th insts. The first and second sessions were convened at Listowel, where a good program was presented and much interest manifested in the valuable information imparted by the respective speakers.

On Saturday the third session of the Institute took place at Milverton, Jas. Dickson, jr., president, presiding, and W. Keith acting as secretary. The crowd which gathered to listen to the addresses taxed the capacity of Hasenpflug's hall to accommodate it, and proved the wisdom of the directors in deciding to hold one session in this important commercial centre.

H. Henderson, Elma, gave an excellent address on breeding and feeding of pigs for profit, as follows: In breeding pigs it is necessary to success that we use only thoroughbred sires and slaughter the grade stock. Breeding from grades we cannot form any kind of estimate of results; some of the pigs may be very good but others will be small, and scrubby. On the other hand by using pure bred sires the pigs are more even and mature earlier. We want a large rangy pig with short snout, not an extreme pig nose, but moderately dish-so that it can feed on grass or from a trough as condition requires, a smooth, clean, light head, ears fine, neck short and not too thick, shoulders medium, body good length, loins broad, hams deep and carried well back, hair fine and plenty of it. Such a hog will feed well, mature early, be a good weaner and supply pork of first quality nicely marbled and a large proportion of weight in best cuts. In these times when everything is run close, the farmer cannot afford to waste feed on inferior animals. We want a large rangy pig that will weigh 200 to 240 lbs. when 6 to 8 months old. It is unprofitable to feed pigs (for pork) longer than ten months as they do not increase in weight in proportion to the food required after the age of 8 or 9 months. The young pigs should be farrowed in spring early enough to market in August, and as those months are generally best for prices, and we should breed so that our pigs will be ready about that time. As regards food, pigs should get it regularly and no more than they will eat up. Clean skim milk or whey with bran or shorts is good for growth. It is almost waste of whey or milk to feed either alone. Ground peas, oats and barley finish off well after the age of 4 or 5 months but appear to be too strong for young pigs. Roots boiled and mixed with a little meal will make very good food for growth. Amongst our live stock none make quicker returns than the pig; he makes the dairy more profitable. The sow is the most profitable of breeders, producing two, sometimes three, litters in one year, and with proper handling at the age of 6 or 8 months they are cash.

F. C. Greenside, V. S., Guelph, then gave an excellent address on the management of horses. He said a large class of diseases could be avoided if the digestive organs were kept in order by a proper method of dieting. Bulky food has a mechanical reaction on the bowels and is preferable to concentrated food. Hay is always preferable to straw, but a mixed diet is better; say 2/3 of cut hay and two-thirds straw. To have a quantity of bulky food is an injury. Horses should not be kept eating at all times. Constant dieting weakens the digestive organs. An animal is easily fatigued if its bowels are too full. The sole cause of heaves or broken wind is over-loading the stomach. Dusty hay is not productive of this evil because it is not good and therefore not relished; bulk is almost the sole cause. Clover hay is just as good as timothy, if not fed in large quantities. Clover, however, is hard to save, and is therefore not as digestible. Half the hay fed in this country is wasted, and the horses are injured by giving this food in large quantities. Restrict the quantity of bulky food; all good horsemen do this. The right quantity for a horse is 1 pound of hay for every hundred of his weight. In a rough way this is a fair guide. A lumberman in Ottawa gave his horses all they would eat. When remonstrated with he restricted, and found he saved \$3,000 a year, and kept his horses in better condition. It is a serious error. Is it economical to cut hay for horses? Large firms cut almost altogether and experience a saving. There is really no direct saving in the food value of hay by cutting, but there is some saving in the waste. Oats are a suitable kind of grain for keeping a horse in condition, but there is little difference in the feeding elements between wheat and oats. Wheat, however, is too sticky and therefore injurious. Oats form an open mass, on the contrary, and are better on that account. When oats are scarce and dear, however, other grains may be substituted with certain precautions. Mix chaff to take the place of the oat hull. It takes longer to chew and digestion goes on more perfectly. Food should be consumed slowly. Coarse food, then, takes the place of the husk or hull. Grade the feed according to size of beast and amount of work being done. When not working the horses food should be reduced at once. To get a horse in good

condition he must be worked. Stallions are not generally overfed, but are not exercised sufficiently, which is the cause of so many sudden deaths. Approximately, the correct thing is a pound for every hundred of the beast's weight. Horses worked very hard may be fed beans or peas and benefited. Another point, grinding grain is not economical when the horse has good teeth. Colts and old horses will do better with ground food. Horses bolting food drop whole grain; cut hay or straw mixed with grain will cause chewing and prevent this. Horses' teeth wear irregularly and not coming together fail to grind thoroughly. Examine and file the teeth to secure this advantage. Torpidity in digestive organs may be remedied by a slight change of a laxative character, but caution should be exercised. Bran mashes or roots should be fed in the evening. If the animal is driven or worked directly it causes scouring. Feed these in restricted quantities, or you will cause acute indigestion. Boiled feed will also cause this. The indigestible character of this food causes scouring. It is a mistake to feed liberally before an extra journey and not a kindness at all. A horse can accomplish more on an empty stomach than a full one. Feeding when fatigued is also injurious. Horses should have access to salt at all times. Occasional feeding creates thirst and indigestion is caused by taking a large quantity of drink to quench it. Would prefer feeding a little dry bran among oats if the quantity is restricted. Bran given dry is not a laxative food. In regard to watering horses, it is better to do so before meals. After meals it washes the food on in the bowels rather rapidly. Horses require water often to avoid evil results. The best regulated stables have water before the animals all the time.

T. Raynor, B. S. A., Prince Edward county, took the platform and delivered a highly interesting dissertation on "The Cutting, Curing and Management of the Hay Crop." He strongly advised his hearers to cut hay directly it comes in full bloom. Leaving clover hay until the heads are two-thirds ripe is not as good as when in the most succulent form. At this stage it affords the most nutriment and is almost wholly consumed by stock. When left to ripen the feeding value is lessened by certain constituents going to produce the seed. Beaver meadow hay ripens early and soon arrives at a stage that is largely of a woody fibre. In saving hay avoid rain or heavy dew, because it is injured by moisture. The abdomen is washed out. In good dry weather hay may be cut in the morning and drawn in before night. Under less favorable circumstances it is best to cut in the afternoon, rake the next day and put up in coils for 24 or 48 hours to undergo the sweating process. In housing hay it may be cured by putting in lime to remove dampness. Lime is a constituent that goes to develop bone in growing cattle. In answer to a question, the speaker advocated cutting timothy hay in full bloom, if the dew is off. The machine would remove the blossom. It did not follow that heaves were produced by feeding hay that had been cut in this stage.

The South Perth Farmers' Institute met in St. Marys on Tuesday and Wednesday of last week. The several sessions were well attended, and splendid addresses were given by J. J. Hobson and C. A. Zavitz, of the Ontario Agricultural College, D. W. Beadle, of St. Catharines, and the Hon. Jno. Dryden. The executive for 1891 is as follows: President, John Legge, St. Marys; Vice-President, John Burns, Blanshard; Sec. Treas., P. S. Armstrong. Representatives to Central Institute, P. Wheelhan and Alex. Wood. Directors were also elected for each municipality.

Additional Local Items.

L. PELTON has leased his 200 acre farm lot 5, con. 5, and lot 4, con. 6, Elma, for a term of five years to Gomer Green, of Innerkip. Mr. Green will take possession on the 1st of March. It is a good property.

REV. MR. STRAITH, of Durham, was the guest of Rev. Mr. Henderson this week. He was enroute to Innerkip, Oxford county, where he has a call to the Innerkip and Ratho Presbyterian churches.

NEWS OF THE DAY.

A. Matheson, of Stratford, has been appointed bursar of the Institute for the Deaf and Dumb at Belleville.

The Peterboro' Review ("Pory") nominates C. D. Barr, of The Lindsay Post, for the vacant registrarship of Victoria.

Miss Agnes Knox, the noted elocutionist, of St. Marys, will give a recital in the Foresters' Hall, Tavistock, on Monday evening, Feb. 2.

J. A. Nelles, secretary of the London Cheese Association, has made up a summary of the cheese in store and in factories west of Toronto. The amount on January 1st was 66,764 boxes. A year ago it reached 130,000 boxes.

An old woman living in London is among the remarkable people. So far this winter she has received a cord of wood from the city, and, though she is 85 years of age, she has saved and split every stick of it. She is a type of the sturdy Canadian, having lived in London 45 years, coming originally from Ireland.

Country Talk.

Trowbridge

Wm. Adams has arrived home again and is now attending Listowel High School.

Will Caswell has gone to Belleville where he purposes attending Albert College for a term or two.

We are sorry to hear of the very severe illness of Robt. Carter, not much hope is entertained of his recovery.

Miss Addie B. Wilcott, milliner at Carson & McKee's, Listowel, is spending a few of her holidays with friends in this vicinity.

On Thursday of last week Herbert Love, son of Mrs. James Love, received a severe kick from a cow, and it was thought at the time it would prove serious, but we are glad to learn that he is getting better.

Ethel.

Mrs. J. M. Davis is very ill at present. Mrs. Alex. Walker, of Carthage, is visiting at her father's, John Ducklow.

Mr. M., of the 6th con. of Grey, came to town on Sunday with a load of grain. He thought it was Saturday, and felt quite taken down when he was informed of his mistake.

PARTY.—Last Friday evening a number of the young folk of this locality, and also a load from Elma, assembled at the residence of John Slemmon for an evening's enjoyment. Songs, recitations, speeches, etc., made up the program, followed by the mazy dance, which was kept up till the dawn of morn. Mr. and Mrs. Slemmon did their utmost to make their guests feel at home, and it is needless to add that a most enjoyable evening was spent by all.

Newry.

Miss Nina Wynn has been on the sick list for the past few days with a severe cold.

Miss Maggie Verner, of Stratford, is spending a few days with her sister, Mrs. C. H. Holmes.

Eccles and Charles Vallance left this week for Goderich where they will resume their studies at the High School.

John Vallance, jr., is getting out timber for a new barn which he intends erecting next spring. This looks like substantial progress, John.

Miss Mary Harvey leaves next Monday for the Toronto Normal School, where she will prosecute her studies for a second class professional certificate. She is an apt student and doubtless success will crown her efforts.

C. J. Wynn, teacher of S. S. No. 7, Elma, succeeded in passing four of his pupils (the whole class) at the recent entrance examinations at the Listowel High School. Their names are: Ella Bennett, Hester Vallance, Robert Angus and Henry Duncan. Mr. Wynn is meeting with encouraging success in No. 7.

Monkton.

Mr. and Mrs. Wilford, of Oxford county, are visiting relatives in this village.

Jas. Stewart, a young man of good promise, is now attending the Stratford Collegiate Institute. He is sure to succeed and will reap whatever rewards spring from ability and industry.

An enterprising young shoemaker named Adam Berlet has opened a shop here. He is a skillful workman and will work up a good trade here. His shop is in the house recently occupied by J. C. Wilson.

The New Year's Arch entertainment, held in Knox church Jan. 8th, was a success. The building was well filled and the program, though somewhat lengthy, was well rendered. The proceeds netted over \$20.

A political meeting in the interest of Mr. Magwood was held in Huggins' Hall, on Thursday night of last week. Mr. Magwood was assisted by Col. Campbell and Lawyer Morphy. The other side was represented by J. S. Bowman. The meeting was quiet and orderly throughout.

Turnberry.

Misses Aikenhead, of London, and Stanley Aikenhead are visiting friends here.

John Gemmill, of Michigan, smiled on his friends here after an absence of 14 years.

Elijah Higgins has gone to Toronto to consult medical aid regarding the condition of his hand.

John McDougall and wife, of Kent Co., returned home after spending a few days with friends here.

John Gemmill, of Louisiana plantation, returned home a few days ago after an absence of two years. He appears to like Uncle Sam's domains, yet he thinks Turnberry is far superior to the Sunny South.

SERIOUS ACCIDENT.—As Paul Powell and his brother were felling a tree, which in falling caught a sapling which flew up and struck him on the face. The sapling in some manner interfered with the axe causing the latter to penetrate the muscular part of his left arm and grazing the bone of the same. His many friends wish him a speedy recovery from what might have been a fatal accident.

Poole.

Miss Turnbull, of Stratford, visited at Mr. Kirk's last week.

Miss Mary Burgman has returned to Stratford accompanied by Miss S. Rooney, who was her guest for some days.

A number of the farmers from around here attended the meeting of the Farmers' Institute at Milverton on Saturday.

Stratford and Atwood lodges of Good Templars were the guests of Poole lodge on Friday evening Poole lodge visited Shakespeare lodge.

Listowel.

John Watson has disposed of his stock of groceries, etc., to J. S. Bowman, who has had them removed to his store.

The Listowel High School re-opened on Wednesday, Jan. 7th, with an attendance of 135 pupils. With this largely increased attendance the services of an extra teacher are required.

Miss Addie Clayton, daughter of W. R. Clayton, who has been home spending the holidays returned to Wallaceburg on Tuesday of last week, where she holds the position of assistant teacher in the High School of that town.

The communion will be observed in Knox church on Sabbath, the 18th inst. The anniversary services will be conducted by Rev. J. L. Murray, M. A., of Kincardine, on the 25th inst. Mr. Murray will lecture on the evening of the 26th inst., on "My Travels in Italy."

EMMA WELLS Co.—This well known company open a week's engagement in the Town Hall on Thursday, Jan. 29th next, and are playing in connection with the town band. This company is so well known in town that we do not need to draw attention to its merits, and the fact that they play under the auspices of the band will ensure them good houses.

Miss M. Draper, daughter of George Draper, of this town, who has been teaching in the Mitchell Public School for several years, has resigned her position and will remain at home for the present, owing to the low state of health of her father. It is now upwards of two years since Mr. Draper was first taken ill, and for a good many months past he has not been able to leave his room. His ailment is dropsy, from which he has been an extreme sufferer, with but little hope of his recovery. The continued illness of one who for many years occupied a leading position as a public man and a citizen naturally excites deep sympathy both for himself and his family.

Brussels.

Mr. Kirk is on the sick list. Harry Cornack is home from Helena, Montana.

R. Wynn was home from Mitchell over Sunday.

Miss J. Buchanan, of Seaforth, is visiting friends in town.

W. White, of Mitchell, spent Sunday in town with friends.

Miss Meta Sturdy, of Harriston, is spending a few days with Miss Addie Vanstone.

W. Hill, of Regina, N. W. T., is home visiting his parents, Mr. and Mrs. John Hill. Will thinks the West is just the place.

Misses E. and J. Babb and brother, of Mitchell, spent Sunday with Mr. and Mrs. B. Gerry.

Miss Lizzie Dickson, of Goderich, and A. M. Kay, of Stratford, spent Sunday with Mrs. W. H. Kerr.

Mr. and Mrs. G. A. Stacey, of Kirkton, lately of South Africa, are visiting Rev. J. L. Kerr and family.

Mrs. S. Fear, Mrs. J. Sel, Mrs. J. L. Kerr, Mrs. Wm. Vanstone, J. Ball and T. Moore are on the sick list.

David Frain, harness maker and carriage trimmer, is engaged at Owen Sound for the present. Mrs. Frain and the children are in Brussels, however.

The salvation Army is arranging for a banquet here on the 21st and 22nd insts. Staff Captain Sweetman, Ensign McGee and neighboring officers are expected.

Wm. Blashill disposed of his house and lot on William street to James Menzies, of Grey township. The price was \$690. Possession will be given on March 1st.

The School Board is asking for tenders for 60 cords of green stove wood as the tender accepted a few weeks ago has fallen through owing to inability to get timber expected.

Rev. F. Swann, of Auburn, preached two very acceptable sermons in the Methodist church last Sabbath. He also preached on Monday evening at the revival meeting.

Last week Rev. J. L. Kerr received a telegram from Rutland, Vermont State, announcing the death of his brother-in-law, Robert Hewitt. Mr. and Mrs. Hewitt were visiting in Brussels with Mr. Kerr's family six years ago.

Miss May Kerr was very successful in the answering of scriptural questions for the Young Ladies' Journal, and secured as a prize a set of French china dishes of sixty-eight pieces. Now the question is who will help Miss May to use them?

A Georgetown correspondent writes:—The J. D. Ronald engine came to hand on Tuesday afternoon of last week and when weighed tipped the scales at 4000 pounds. It is a beauty and has a fine record. Our citizens are now looking forward to a test.

Stratford.

A Hamilton butcher purchased from Messrs. Ballantyne & Son, Stratford, the first prize cow that carried off the sweepstakes and silver medal at the Guelph Fat Stock show. The carcass weighed 1,855 pounds.

During the year 1890 Stratford was very free from fires, nearly all the alarms being for chimney fires or other trivial causes. The only real fire was that by which Mr. Twambly's house on Albert-st was destroyed. The insurance paid on it was \$150. It is estimated Stratford paid in fire insurance premiums last year \$20,000.

On Wednesday evening of last week, A. S. Gourlay, manager of the Stratford store of John Whyte, Mitchell, was translated from the ranks of the benefactors to the ever increasing ranks of the benedictus. The bride's name was Miss Margaret Robb, daughter of Samuel Robb, G. T. R., and the minister who performed the interesting ceremony which made the twain one was Rev. E. W. Panton, pastor of St. Andrew's church. The wedding took place at the residence of the bride's father, Mowat street. The bridesmaid was Miss Lizzie Robb, sister of the bride, and Mr. Gourlay was ably supported by Richard Gray. None but relatives of the contracting parties were present, and at the conclusion of a pleasant time spent after the ceremony Mr. and Mrs. Gourlay left for their future residence, north side of Wellington-st, near St. David. THE BEE extends congratulations.

Grey.

Wm. Beharrell has rented lot 6, con. 1 from the Cull Bros. for this year. Mr. and Mrs. Bowerman and Edna are nicely settled in their new home in S. S. No. 1.

John McLaughlin, 12th con., purposes erecting a brick residence on his farm next summer.

Miss Ritchie, who was home for her holidays, returned to her school at Perth on Tuesday of last week.

Miss Mary McNair, who spent her Xmas holidays at home, returned to her school in Stanley.

Mrs. P. C. Duncan, of Brandon, Man., is home on a visit. Mrs. Duncan is a daughter of L. McNeil.

A jolly company assembled at W. Reid's on the evening of New Year's day and enjoyed a very pleasant time.

F. J. Hartley did not take the school in S. S. No. 4 as announced but a Mr. Johnston has been engaged for 1891.

Miss Lizzie McLaughlin has gone to the Clinton Collegiate Institute with a view of preparing herself for a teacher's certificate. Success.

John J. Ball has been quite ill with sciatica and is now under the care of a physician. It is to be hoped the means used will relieve the trouble.

Mrs. E. J. McArthur, A. McGuire and J. Lowe, all residents of the 5th and 6th concessions, are on the sick list. It is to be hoped they will soon be convalescent.

We are pleased to notice that Edward Hill took the highest marks in Inspector Robb's division of Huron county at the recent entrance examination. He is intending to take up 3rd class teacher's work in which we hope he may be equally successful.

James Dark, Robt. Gordon and Miss Hislop took advantage of the excursion to the East and are now here from Manitoba on a visit. Mr. Dark says there is a noticeable improvement in the West. He will return to Neepawa in the course of a month or so. It is two years since he was home before.

Last week the silver wedding of Jno. Hillier and wife, of Goderich, former residents of 1st con. Grey, was celebrated in royal style at their home. Fifty-one guests were present, among the number being Joseph Coombes, sr., and wife; Joseph E. Coombes, sr., and son; Jas. Cull, wife and son; Geo. Coombes, wife and two daughters; Wm. McKelvey, wife and son; and R. H. Cull, of this township. The evening was very pleasantly spent with recitations, singing, social chat, etc.

The Montreal Witness says of a former well known resident of Grey township:—James Smith, the genial head miller and millwright at Gould's City Mills, was presented on Christmas Eve with a complimentary address and a handsome gold headed cane by the employees as a token of the esteem in which he is held by them as a former. Mr. Gould, who was present, was pleased to see the good feeling existing among his people, and expressed the hope that it would long continue.

Wednesday morning of last week, Hugh R., youngest son of Thomas and Elizabeth Smith, died at the early age of 22 years. He had been ailing for the past three years with diabetes and although poorly at times was seldom out of work. The day before Christmas he went to Toronto, accompanied by his sister, for a visit, but was very poorly while there. They arrived home last Saturday and although able to move, his eyes were closed in death. Hugh was a happy spirited young man and better than all when he saw eternal rest. He knew the "rod and the staff" were there. The funeral took place on Friday afternoon, of last week, at 2 o'clock. Interment at Brussels cemetery. The parents and other relatives have the sympathy of the community in their bereavement.