WITH THE FARMERS

GERMINATION TESTS OF THE CROPS FOR 1907

Tests of Wheat, Oats and Barley for Manitoba and Saskatchewan—Tests for Alberta Seed Not Completed—Report From Seed Branch of Dominion Department of Agriculture.

Directly following the severe autumn frosts in the latter part of August and early in September, which occurred in districts in the provinces of Manitoba, Saskatchewan and Alberta, the officers of the seed branch of the Dominion department of agriculture, who are located at Winnipeg, Regina and Calgary, visited most of the districts where frost had been reported, for the purpose of ascertaining the extent of the damage done. In many districts only a portion of the grain had been cut, but the evidence of damage by frost made clear the necessity for a more thorough investigation of its effects on the vitality of the seed grain, particularly of the seed oats and barley, in those districts where frost had been known to occur. As the work of threshing proceeded, samples were collected from time to time, and many letters were sent to representative farmers in the various districts, requesting that samples of their best grain be sent to the Ottawa seed laboratory for germination tests. Farmers in the province of Alberta were requested to send their samples to the seed laboratory which was established a year ago at Calgary. The statement herewith includes only a summary report of the percentage of vitality of those samples that have been received and tested at the Ottawa seed laboratory up to Dec. 9.

Manitoba Wheat.

Sixteen samples of wheat were received from the southern portion of the province of Manitoba. Although many of them show evidence of being slightly frosted, the germination tests were on the whole fairly satisfactory. Only three of the samples show a germination test of less than seventy per cent. In four days, two of which samples were from Minnedosa and one from Morden. Samples of wheat are now being received at the seed laboratory from the more northern districts of Manitoba.

Saskatchewan Wheat.

One hundred and three samples of wheat were tested from the Province of Saskatchewan. Forty gave a germination test of less than seventy per cent. in four days. These forty samples came from the Battleford and Lloydminster districts, from Langanburg, Churchbridge and other points on the Yorkton line, and from the district ranging from Broadview on the east to Regina on the west, and north of Abernethy on the Pheasant Hills branch.

On the whole it would appear from the germination tests of seed wheat that both the provinces of Manitoba and Saskatchewan will have an abundant supply for next year's seeding and in a few districts only will it be necessary for farmers to bring in seed from a distance. Any wheat that has remained in store from the crop of 1906 will be preferable for seed to the 1907 crop, provided that it is equally clean.

Germination Tests of Oats.

It is generally known that the vitality of oats is seriously injured by even a slight frost before they are thoroughly ripened and cured. Oats that have been killed by frost may easily be detected by separating out the kernel and examining the germ or embryo with the point of a pin. Good fresh live seed has an embryo of a pale yellowish tint, devoid of brownish coloration, and the kernel possesses considerable elasticity. The embryo of frosted wheat presents a brown discoloration and usually a dark thread-like streak below the embryo or germ. The kernel is more brittle and sweeter.

The 1907 oat crop has suffered severely from frost and in many districts the oats are practically useless for the purpose of seeding, although they possess good value for feeding.

Manitoba Oats.

Sixty samples of oats were received direct from farmers in the Province of Manitoba. They gave an average germination of forty-five per cent. and ranged from nothing to ninety-nine per cent. It is assumed that some of the oats that gave high percentage germination were of the 1906 crop.

Lisgar—Five samples were obtained from the electoral district of Lisgar and gave an average germination of 64 per cent., the lowest one being 14 per cent., which sample came from Manitou. Two other samples from Manitou germinated 88 and 89 per cent.

Souris—Six samples were received from Souris, which gave an average germination of 61 per cent. The two lowest samples were received from Hartney. They tested 34 per cent. and 51 per cent.

Macdonald—Only one sample was received from the Macdonald district. It came from Pomeroy and germinated 95 per cent.

Portage la Prairie—Five samples were received from the Portage la Prairie district. These gave an average germination of 71 per cent., the two lowest being from Neepawa, which tested 64 per cent. and 44 per cent. vitality. Sample from Carberry germinated 91 per cent.

Brandon—Seven samples were received from the Brandon district. These gave an average percentage germination of 48. All of these came from two places, namely, Brandon and Souris. The samples that came from Brandon germinated 85 per cent. and 39 per cent. Samples from Souris germinated 16, 35, 6, 21 and 32 per cent.

Marquette—Thirty-five samples were received from Marquette. They gave an average percentage germination of 30 per cent. They were obtained from Minnedosa, Clan William, Newdale, Shoal Lake, Moorpark, Russell, Roblin and Shellmouth. One sample from Newdale germinated 70 per cent. and one from Moorpark 72 per cent. Samples from Shellmouth and Roblin germinated only 4 per cent.

Dauphin—Only one sample was tested from the Dauphin district. It germinated 70 per cent.

Saskatchewan Oats.

One hundred and two samples were received and tested from the Province of Saskatchewan. They also gave an average germination of 45 per cent., and ranged from nothing to 93 per cent.

Assiniboia East—Twenty-five samples were received from Assiniboia East, which gave an average germination of 51 per cent. Samples that germinated 60 per cent. or more were received from Carievale, Carnduff, Oxbow, Alameda, Moosomin, Langenburg and Saltcoats.

Qu'Appelle—Fifteen samples were received from the Qu'Appelle district. They gave an average germination of 50 per cent. One sample received from Estevan gave a germination of 89 per cent. in four days.

Assiniboia West—Eleven samples were received from Assiniboia West which gave an average germination of 51 per cent. Two samples from Balgonie germinated 10 per cent. and 9 per cent. Samples from Mortlach germinated 77 per cent., 55 per cent., 36 per cent., 54 per cent., 35 per cent. and 94 per cent.

Mackenzie—Twenty-one samples were received from the district of Mackenzie. They gave an average germination of 33 per cent. Six of these were received from Yorkton and gave percentages as follows: 61, 62, 62, 48, 67 and 16. From all of the other points from which samples were received the samples would be considered unsafe for use for the purpose of seeding.

Humboldt—Fourteen samples were received from the district of Humboldt and gave an average germination of 45 per cent. Samples that germinated less than 40 per cent. were received from Wadena, Quill Lake, Melfort, Guernsey, Arlington Beach, Davidson, Domremy and Ladsuck.

Saskatchewan—Seven samples were received from the district of Saskatchewan with average germination of 48 per cent. Wingard, Rosthern, Battleford and Lashburn furnished samples that germinated less than 40 per cent. The samples were received from Marshall and Lloydminster which gave an average germinaution of 55 per cent. One sample from Marshall germinated 70 per cent.

The percentage vitality of many of the samples of oats tested could be materially tested by thorough fanning. Considering the danger of introducing new species of weeds with the importation of fresh seed oats, it may be well to consider whether it would not in many cases be advisable to sow well fanned seed that would germinate only 50 per cent. to 60 per cent., at the rate of three and a half to four bushels an acre, rather than take the risk of importing fresh supplies with which there would also be some danger on account of lack of vitality. Oats of the 1906 crop would be preferable to most of the samples that have been received and tested of the 907 crop.

Barley.

On account of being earlier in maturing, the barley crop has not suffered to the same extent as the oat crop, although it is thought to be fully susceptible to frost. Fifteen samples of barley were received from the Province of Manitoba, which, in the uncleaned condition, gave an average germination of 54 per cent.

Twenty-three samples of barley were furnished from the Province of Saskatchewan, which also gave an average germination of 54.

The district of Portage la Prairie furnished five samples of barley which gave an average germination of 78 per cent. The samples of barley received from Marquette, Lisgar and Souris districts were comparatively low in percentage of vitality.

In the Province of Saskatchewan, Assiniboia East furnished eight samples which give an average germination test of 47 per cent; Qu'Appelle three samples which given an average of 53 per cent.; Humboldt four samples which gave an average of 66 per cent., the district of Saskatchewan which gave an average of 70 per cent., and Lloydminster four samples which gave an average of 45 per cent.

Commercial Grades of Wheat, Oats and Barley.

Composite samples of the various grades of wheat, oats and barley of the 1907 crop were received for test through the kindness of the chief inspector of grain of Winnipeg. The percentage germination in four days for the various grades of wheat are as follows:—

	Per Cent.
No. 1 hard	100
No. 1 Northern	99
No. 2 Northern	98
No. 3 Northern	98
No. 5 Northern	91
No. 6 Northern	74
Feed No. 2	44

Oats No. 1 gave a total percentage in ten days of 72 per cent.

Oats No. 2 gave a total percentage in ten days of 35 per cent.

Oats No. 3 gave a total percentage in ten days of 32 per cent.

Barley No. 3 germinated 77 per cent. in ten days and No. 4 76 per cent. in the same time.

At least 250 samples of wheat, oats and barley are now being tested in the Ottawa seed laboratory, and a large number for Alberta have been received for test in the Calgary seed laboratory. A more detailed report, giving the complete results of this investigation work, will be prepared early in the New Year. In the meantime an interim report will be presented covering the conditions in the Province of Alberta.

While the results of the vitality tests that have thus far been made do not give grave cause for alarm, it is important that all available supplies of good clean seed oats and barley that were carried over from the 1906 crop, or may be obtained from this year's crop, be husbanded for next spring's seeding.

Farmers may obtain accurate information as to the vitality of their oats, barley or wheat by planting one hundred average grains in a flower pot or box of soil kept under conditions favorable to house plants. The information thus obtained will be most satisfactory to them. Until March 1 germination tests of seed grain received from farmers in the Provinces of Manitoba, Saskatchewan and Alberta will have precedence over all other work in both the Ottawa and Calgary laboratories. Samples should be placed in strong cotton or paper bags, the name and address of the sender enclosed, and addressed to Seed Commissioner, Department of Agriculture, Ottawa, or from Alberta to Seed Laboratory, Calgary. Samples addressed to Ottawa will be carried free by mail. Postage must be prepaid on all samples addressed to the Calgary laboratory.

(Sgd.) GEO. H. CLARK,
Seed Commissioner,
Ottawa.

ANALYSIS OF OATS.

Commenting on a paragraph appearing in your issue of the 12th inst., Supt. G. H. Hutton of the Experimental Farm at Lacombe offers a word of explanation and correction. The figures showing the percentage of fat should have been 5.52 for frozen oats and 4.82 for fully matured grain and the full table would then stand as follows:

Proportion Kernels to Hulls.

Frozen Oats.		Fully Matured Oats.	
Kernels,	53.65	Kernels,	71.92
Hulls,	46.35	Hulls,	28.08

Analysis of the Two Samples.

Frozen Oats.

Moisture,	8.42
Protein,	8.93
Fat,	5.52
Carbo Hydrates,	52.27
Fibre,	18.39
Ash,	3.47
	100.00

Fully Matured Oats.

Moisture,	12.74
Protein,	11.22
Fat,	4.82
Carbo Hydrates,	58.84
Fibre,	9.47
Ash,	2.91
	100.00

Since so many factors enter into the problem when determining the value of a foodstuff, such as the place it occupies in the ration, its palatability and, in the case of grains, the proportion of kernels to hulls, it is somewhat difficult to attach a money value to the various constituents that enter into animal nutrition. It is conceded by most observers that the fat of food has a greater power to produce heat and energy than have either protein or carbo hydrates, some chemists claiming that the relation between Protein, Fat and Carbo hydrates is as 1-3-1, respectively. Though this may be an arbitrary basis, it at least approaches the facts in average cases; thus, by multiplying the fat in each instance by 3 and taking the percentage of protein and carbo hydrates as units in the production of energy, we have the figures 80.76 and 84.52 as expressing roughly the relative feeding value of Frozen Oats as compared with Fully Matured Grain.

Mr. Hutton also draws the attention of Bulletin readers to an analysis of wheat published in the report of the Chemist of the Dominion Experimental Farms for 1892.

	Water	Albuminoids	Carbohydrates	Fat
No. 1 Hard,	9.08	13.83	2.03	71.51
Frozen A,	14.75	13.50	2.22	64.57
Frozen B,	11.14	13.69	2.57	66.57
Wheat Bran,	8.42	15.22	4.27	56.68

	Fibre.	Ash.	Dry Matter.
No. 1 Hard,	1.94	1.61	90.92
Frozen A,	3.31	1.65	85.25
Frozen B,	4.32	1.71	88.86
Wheat Bran,	9.81	5.60	91.58

Experiments have shown frozen wheat to be practically as good as full matured wheat for feeding hogs, producing when fed alone and ground, 11 lbs. increase in live weight per bushel. For feeding to beef cattle, ungradable frozen wheat has given a feeding value of from 56 to 61 cents per bushel according to the method of feeding employed. This value for wheat was secured with a range of 1 1-4 cents between buying and selling price of cattle, an increase which should be within the reach of most feeders to secure. Steers were bought at 2 3-4 and sold at 4 cents per lb.

Everybody just now is looking for good security and testing the foundation of things. Mr. Hutton suggests that the keeping of live stock even upon rich soil as our Alberta farmers possess will lend added security to the safest of all pursuits. Animal husbandry will always provide a market for fodders—a market where the price realized will depend upon the man—his ability as a feeder and the character and class of stock consuming the feed. Intelligent feeding on the part of the owner with good breeding on the side of the stock is a combination always safer and returning larger profit over a term of years than grain farming alone. This province is eminently a stock country producing abundant forage crops, excellent pasturage and having an unlimited water supply. Let farmers remember that the richest nations of the world are those that have devoted an unswerving attention to agriculture, live stock being the chief corner stone.

GREAT BRITAIN'S CROPS.

This Year's Harvest Is Reported to be the Finest Ever Gathered.

Ottawa, Dec. 15.—Reports received at the Department of Trade and Commerce from Great Britain says this year's harvest has been the finest ever gathered. Owing to diminished acreage the total yield has been less, but the yield per acre of wheat has been 33.97 compared with an average for the previous ten years of 31.15. There has been a corresponding increase in yield per acre of other field and root crops.

GRAIN MARKETS.

Winnipeg, Dec. 16.—America contributed all but 1,700,000 of the world's wheat shipments for the week, which totalled 8,000,000. Wheat on passage showed a decrease of a million and a quarter, this with all British and continental cables higher made the bull position too strong for the bears to cope with, and trading, although moderate, showed a sharp advance in prices at opening. All latter news was very bullish. The general opinion was that American shipments must have about reached their limit, and this looks good for Canadian wheat. Prices in Winnipeg advanced 2 cents for December, 3⅜ for January, 1⅞ for May and 2 cents for July, closing in every case at high point for the morning. In the American markets the advance was ⅞ for December, 1¼ for May and ¾ to ⅞ for July in Chicago and 1⅞ for December, 1¼ for May and 1⅛ for July in Minneapolis. Whole wheat situation is very strong and with indication of steadiness. Winnipeg options: Wheat, December opened 1.01½, closed 1.03⅜; January opened 1.01⅜, closed 1.03⅜; May opened 1.10, closed 1.10⅝; July opened 1.12½, closed 1.12⅝. Oats—December 42½, closed 43; May, opened 50, closed 49⅝.

Winnipeg cash wheat—No. 1 Northern, 1.03; No. 2 Northern, 1.00; No. 3 Northern, 93; No. 4 wheat, 92½; No. 5 wheat, 89⅝; No. 6 wheat, 56½; feed No. 1, 44½; feed No. 2, 34½; rejected No. 1 Northern, 93. Oats—2 white, 43; 3 white, 39½; rejected, 30½. Barley—No. 4, 44. Flax—1.04.

American options—Chicago: December opened 96, closed 96; May opened 103, closed 1.02¾; July opened .96¾, closed 97. Minneapolis: December opened 1.03⅜, closed 1.04½; May opened 1.08, closed 1.08¾; July opened 1.09, closed 1.09.

SPORTING NEWS

HAMILTON STILL ANXIOUS.

Hamilton, Dec. 17.—Indications are that next year Hamilton will have a professional baseball team, but what league it will be in is not yet certain. Now that Trenton has decided to stick to the Tri-State League there is again a possibility of the Montreal Eastern League franchise being transferred to Hamilton, although the local promoters have not heard anything further from the people who have the say in the matter. Failing to get a place in the Eastern League, Hamilton may jump into the International League which it is proposed to form next year. Chaucer Elliott is behind the move, and while in the city with the Montreal football team on Saturday he talked the matter over with the local people interested. While nothing definite was done, Chaucer went away satisfied that Hamilton would have a team in the proposed league. From here he went to St. Thomas, and from there he will go to London, Woodstock, Guelph and other good baseball towns. He will be back in Hamilton in a few days to take further steps towards the organization of the league.

MAY REORGANIZE THE FEDERAL.

Montreal, Dec. 17.—A sturdy attempt will be made to reconstruct the Federal League, which threatened to go into oblivion after last Saturday's meeting called in Montreal had ended in a fizzle. A meeting has been called for to-morrow at Cornwall, when it appears to be altogether likely that a six or seven club series will be arranged for. Cornwall, Brockville and the Ottawa Vies will form the nucleus of the reconstructed league, while applicants for admission to the League will be the Nationals, of Montreal, the Mic-Macs of Smith's Falls, and probably either or both of the Ottawa Valley League clubs, Renfrew and Pembroke. The two last-named clubs, with Arnprior, form at present a section of the Ottawa Valley combination but there is some talk of Arnprior dropping out and this has decided the remaining two clubs to seek admission to the Federal series.

PETERBORO STRATHCONAS.

Peterboro Dec. 17.—The intermediate team for Peterboro field their annual meeting at the Oriental Hotel last night. The seven that will be entered in the O.H.A. will be known as the Peterboro Strathconas, and the officers are largely the same as chosen by the Strathconas at their annual meeting earlier in the season. The prospects for a first-class team are excellent, and besides local players who are well-known in hockey circles some fast outside men will be available. The election of officers resulted as follows: Hon. President, Jas. Kendry, ex-M.P.; Hon. Vice-President, V. Eastwood; President, C. G. Graham; First Vice-President, R. M. Glover; Second Vice-President, F. A. Clarke; Secretary, F. D. Craig, Treasurer, W. Regan; Manager, W. J. Westeral; Executive, C. Barber, L. Dobbin, C. Wilson, W. E. Wasson, Dr. Whiganman.

CAN GET MADISON SQUARE.

Toronto, Dec. 17. — The Irish Canadians have not yet given up the idea of holding an athletic meeting in New York, and there is a chance that it may be held down there some time in February. Tom Eck, during his visit to New York, interviewed the Madison Square Garden people, and made a tentative agreement with them to take the garden for one night, on behalf of the I.C.A.C., on a date yet to be fixed. President Flanagan's present intention is to take down the athletes who make the best showing at the week's carnival, which will probably be held early next month at St. Lawrence Market. If the trip is made it will also include an exhibition at Boston and perhaps Philadelphia. Longboat, Coley, Con. Walsh and all the Irish cracks will go along.

AN OLYMPIC RUGBY TEAM.

Doping up all star fourteens for the Olympic games next year a Toronto sporting editor figures out that the following should make good representative teams from Canada:

Senior Fourteen.

Full-back—Stinson, Montreal.
Right-half—Moore, Hamilton.
Centre-half—Flett, Argonauts.
Left-half—Simpson, Hamilton.
Quarter-back—Ballard, Hamilton.
Scrimmage—Roberts, Montreal.
Scrimmage—Nasmith, Varsity.
Scrimmage—Russell, Argonauts.
Inside wings—Barron, Hamilton.
Inside wings—Kelly, Montreal.
Middle wings—Isbister, Hamilton.

WAGNER AS MANAGER.

Pittsburg, Dec. 17.—Harry C. Pulliam, president of the National Baseball League, yesterday telegraphed Hans Wagner at his home in Carnegie, a suburb, requesting him and his brother Albert to come to New York as soon as possible to attend the National League meeting. The two left last night. The big shortstop said he had no knowledge of why he was sent for. There is a rumor afloat that Hans is to be made manager of the Boston National team for 1908.

A TRIPLE ALLIANCE.

Philadelphia, Dec. 17.—The latest development in this season of football schedule making is a triple alliance among Harvard, Yale and Princeton. A deal of this kind has been rumored for some time, but it is said that at the recent Yale-Harvard game representatives of all three colleges got together and talked the matter over. Yale already plays Harvard and Princeton, so it only remains for Princeton and Harvard to schedule a game and then the deal is completed.

SPORTING BREVITIES.

Arthur Irwin is after the Scranton franchise.

Manager Buckengerger has signed with Rochester.

Brockville hopes to place a team in the Federal.

Harry McRobie of Toronto has signed to play hockey at Pittsburg.

Horace Gaul, the Capital lacrosse player, is said to have decided to play hockey at Pittsburg this season.

Lorn Campbell, captain of the Pittsburg team last year, has left for Winnipeg, where he will play with the Maple Leafs.

The noted old stallion imported Gallantry was sold on the public square in Lexington recently for $30. R. D. Cobb, of Syracuse, N.Y., bought him and will ship him east next week.

It seems that some of the Canadian hockeyists went to Pittsburg under false pretences. They were promised positions in addition to their hockey playing, but so far the league promoters haven't made good.

"Bouse" Hutton, a dispatch from Brantford states, refuses to go to that city to play hockey with nothing more definite in the way of remuneration in sight but a share of the gate receipts.

One American College declares football to be promotive of the functions of intellectuality, and another college classes it with bull-fighting. It's this difference of opinion that makes horse races.

Trainer Chris Clune, formerly of Toronto, now of Cincinnati, tried to pull off a prize fight in that city, but failed to get a permit. He wanted to try out catcher McLean, the tall Canadian blockstop, who would like to meet Tommy Burns.

The brand of hockey at Pittsburg this winter cannot, of course, be of a very high standard, judging by the make-up of the teams. For instance, three of the players on one of the teams that played last night hail from the Brockville Invincibles, who couldn't win a weak O.H.A. intermediate district last year.

The Ottawa hockey team is still in touch with Fred Lake, the international star. Lake asked $800, and a steady job, and the Ottawas replied that they could not do that much for him. Lake is understood to have come down some since. He was booked to play at Winnipeg, but there is said to have been a hitch in that deal too.

Vernon Austin and Joe Christie, who fought a ten-round draw in Port Arthur some time ago, have come to terms for another encounter, and will meet Friday evening Dec. 20, to decide the middleweight championship of Canada, which Austin now claims. The final bout will be fifteen rounds and there will be a side bet of $1,500.

Ned Hanlon of Baltimore is accused of being the father of a scheme to group Buffalo, Providence, Newark and Baltimore, in the east, with Chicago, Milwaukee, Columbus and Louisville in the west, in an outlaw league, which would eventually force the present majors to drop Detroit, Cleveland and Washington to them, and give them major league standing.

If Ned Hanlon or any of Ned's friends has a hunch that the management of the Boston National team is to be offered Ned, disappointment is in store for someone. Hanlon has fallen down hard in Brooklyn and in Cincinnati and President George Dovey doesn't care to leap from the frying pan into the fire. Dovey has said, time and again, that he would have none of Hanlon, if Ned would work for nothing.

The Amateur Hockey League of New York has decided to revise its playing rules, and some of the reforms instituted by the O.H.A. will be adopted. The style of face-off will be adopted and the puck dropped in by one referee; the O. H. A. off-side rule regarding goalkeepers will also be adopted. When they want to get in right in things pertaining to hockey they always have to fall back on the O. H. A.

Cricketers all over the world and in Sussex in particular, must hail with delight the promise given by the Jam of Nawanagar (better known in England as K. S. Ranjitsinhji) to the Sussex cricket secretary that he will turn out again for his old country next season. Undoubtedly Ranji is the most brilliant bat that the world has ever seen, for he could play practically any ball in at least three different ways effectively. The features of his batting were of course, the wonderful leg glides and the marvellous ease and grace with which he played the finest bowling on the most difficult wickets. He last played for Sussex in 1904, and had a wonderful average, viz., 73.88 for sixteen innings.

Tommy Burns is a polyglot champion if there ever was one. He is entitled to wear the largest and most variegated bunch of colors that ever decked any human being. A French Canadian, with a tinge of Italian one one side of the house—that's his lineage, American champion by virtue of his various victories on this side of the pond; Australian champion by his defeat of Bill Squires; English champion through his conquest of Gunner Moir—that's his collection of titles! For that matter, Burns could claim a few more, if he liked. Herr Placke was champion of Holland; Kid McCoy licked him, Jack Root licked McCoy, Hart beat Root, and Burns beat Hart, Peter Maher was champion of Ireland; McCoy beat him, and the same descent of title would confer the honor on Burns.

Jack O'Brien of Philadelphia, made his first appearance in the ring last Saturday night since his recent fiasco with Tommy Burns in California, and knocked out Bill Heveron, the English heavyweight, in the opening round, before the Industrial Athletic club. O'Brien's first blow was a right to the jaw, which put Heveron down for the count. He staggered to his feet and was immediately floored again. As Heveron rose to his feet O'Brien steadied himself and sent another vigorous right to the jaw. Heveron dropped like a log and had to be carried to his corner. Heveron did not land a single blow.

ARGONAUTS TRAINING HARD.

Toronto, Dec. 17.—The Argonaut Rowing club senior eight-oared crew, champions of America, are in hard training for the Olympic regatta at Henley next year. Teh oarsmen are working out on the rowing machines at the up-town club rooms under the eye of the veteran, Joe Wright, captain, coach, and general adviser, who has complete charge of the candidates for the crew.

BURN DEFEATED.

Calgary, Dec. 18.—In a five mile race here last night Teraway, of Claresholm, who had a one minute handicap, defeated Art Burn by two laps of the Shermann Rink, where the event was held. A lot of money changed hands as a result. Burn was very sick after the race and is under the care of a doctor. He stated that he was all in during the second mile, but ran three feeling dead. The time was 30.40.

MAY CANCEL TRIP.

Ottawa, Dec. 18.—It is possible the Wanderers of Montreal will be ordered to cancel their trip to Winnipeg owing to the necessity which would arise of playing the Stanley Cup matches during the regular hockey season. The other clubs in the league are objecting. The Stanley Cup trustees have not heard of Winnipeg coming east for Stanley cup. Tonight the position is that the series must be played early in January or not at all.

THE NORTH STAR LUMBER CO.

The North Star Lumber Company has just placed upon the market, stock to the amount of $500,000. A careful perusal of the prospectus leaves the impression that this is one of the most legitimate proposals that has been put on the western market for some time.

The purpose for which this company was organized was to take over the Crow's Nest Pass Lumber interests of John Hanbury, of Brandon. These interests are not merely in standing timber, but in the form of an established business. Two mills are now in operation, also favourably located and have at the back of them as fine a stretch of timber country as can be found in British Columbia. Railroad tracks are down, mills are in fine working order and everything is in readiness for the new company to take over a business that is now placing lumber on the market.

"The mills and the entire plant," says the prospectus, "are now in shape to cut and ship about twenty million feet of lumber during the coming year, on which the company can certainly expect a profit of from $6 to $8 per thousand feet." An advantage of being the holder of five shares of the stock of this company is the privilege of buying in carload lots at wholesale prices, f.o.b. Elko, B.C., lumber for their own use. This means a very considerable saving for those building for themselves.

The provisional directors of this company are amongst the best known business men of the west, and their names are a guarantee of the soundness of the proposal. There is no reason why this industry should not be fully capitalized by the residents of Western Canada. The payments on the stock have been made quite easy, being in six monthly instalments of 25 per cent. each.

What Paper do the Edmonton People read? Ask the Newsboy.

FOR SALE

1 high pressure 35 h.p. "Monarch" steel boiler. 1-24 in. Gourley and McGregor power feed planer matcher and melding machine with 3 sets of planer knives and 100 moulding knives; 1-12 ft. power turning lathe; 1-14 in. buzz planer and knives; 1-30 in. band saw and saws; 1 power boring and drilling machine; 1 cross cup saw machine with rip saw arbor and saw attachments; 1 large rip saw edger and saws; 2 spindle shaper knives; 1 shingle machine complete capacity 25,000 per day; 1 dove tail box and egg case machine; 1 butter tub machine complete.

60 light 16 candle power direct dynamo and fittings new.

The above machinery is all fitted with tight and loose fitting pulleys and most of it has been used but a short time and is in perfect working condition. I am instructed to sell for cash or on time on approved notes or in exchange for lumber.

W. J. WEBSTER,
758 First Street, Edmonton.

THICK, SWOLLEN GLANDS

that make a horse Wheeze, have Thick Wind, or Choke-down, can be removed with

ABSORBINE

or any Bunch or Swelling caused by strain or inflammation. No blister, no hair gone, and horse kept at work. $2.00 per bottle, delivered. Book 3-C free.

ABSORBINE, JR., for mankind, $1.00, delivered. Cures Goitre, Tumors, Varicose Veins, Hydrocele, Varicocele. Book free. Made only by W. F. YOUNG, P.D.F. 201 Monmouth Street, Springfield, Mass.

LYMAN SONS & CO., Montreal, Canadian Agents.

WANTED — FIRST OR SECOND class teacher for Spruce Grove School District. State qualifications and salary wanted. W. Bristow, Secy.-treasurer, Spruce Grove.

WANTED — TEACHER HOLDING second class certificate, for the Stony Plain Centre S. D. No. 381. Apply, stating salary and qualifications, to J. Draper, secretary, Stony Plain, Alta.

STRAYED — TO MY PREMISES about November 1st, two spring calves and two yearlings, two dark and two red. J. W. De Bond, S.W. 1-4 36-52-2 West of 5th, Stony Plain.

STRAYED — TO MY PREMISES A bay mare yearling; no brand visible. Owner can have same by proving property and paying expenses. Geo. McMillan N.E. 1-4 of 8-58-26 West 4th. P.O. Independence.

POPLAR LAKE SCHOOL DISTRICT 185.

The Trustees of above district beg to remind the Ratepayers that their taxes should be paid at once, to enable them to meet the liabilities of the district.

MR. GEO. SPALDING,
Sec.-Treas.

FOR SALE—350 BU. FEED BARLEY 40 per bushel; 250 bu. feed wheat, 50 per bushel; 12 ton good hay $3.50 per ton. Inquire of E. W. Auten, Namao P.O.

STRAYED—ON TO THE PREMISES of the undersigned, Section 6, Tp. 53, Range 25, on or about Oct. 30th, a cayuse (mare); about five years. Owner may have same by proving property and paying expenses. Larne Bros., Winterburne.

LOST—SINCE JUNE FROM ST. EMile, Legal, one buckskin mare, weight between 900 and 1000 lbs., no brand, two marks on left hip, white spot on forehead, one white hind leg; also a mare about 2 1-2 years old, dark red, white spot on forehead, white hind legs. Reward for information leading to recovery or on return to Alphonse Lamarche, St. Emile, Legal, Alta.

WANTED—TEACHER FOR HORSE Hills School District holding first or second class certificate; duties to commence Jan. 6th, 1908. Male preferred. Applications to be in by Dec. 21st. Apply stating experience and salary expected to A. B. Clark, Secy. Treas., Horse Hills P. O., Alta.

STRAYED OR STOLEN—FROM THE farm of R. W. Bailey, near Namao, P. O., one bay gelding, coming four years old, very large white face, one white hind foot, black mane and tail. Last seen on Sunday, Nov. 24th. Any one finding or giving information that will lead to recovery of above animal will receive $5.000 reward. R. W. Bailey, Namao, Alta.

NOTICE IS HEREBY GIVEN that the board of trustees of the Tillier School district, No 1490 of the Province of Alberta wants to borrow the sum of $1,000 upon the security of the said district. For information refer to

J. VAN WELL,
Sec.-Treasurer,
Riviere Qui Barre P.O.
Alta.

GRANDVIEW HOTEL

First-Class Accommodation; Finest Liquors and Cigars.
H. SIGLER, Proprietor.

LEGAL.

GRIESBACH, O'CONNOR & ALLISON,
Advocates, Notaries, Etc.
Solicitors for the Traders Bank of Canada.
Offices—Gariepy Block, Jasper Avenue, Edmonton.

TAYLOR, BOYLE & GARIEPY.
Barristers and Advocates, Notaries, Etc.
Offices, Gariepy Block, Edmonton.
Solicitors for the Canadian Bank of Commerce, The Great West Life Assurance Company, Standard Loan Company, Union Trust Company, The Sun and Hastings Savings & Loan Company, Etc., Dominion Life Assurance Co.
Private Funds to Loan.
C. Taylor. J. R. Boyle.
Wilfrid Gariepy.

Wm. Short.
Hon. C. W. Cross.
O. M. Biggar.
SHORT, CROSS & BIGGAR
Advocates, Notaries, Etc.
Offices at present in Cameron Blk., over new offices of Merchants Bank of Canada after May 1st, next
Company and private funds to loan.
Edmonton, Alta.

BECK, EMERY, NEWELL & BOLTON.
Advocates, Notaries, Etc.
D. Beck, K.C., Public Administrator
E. C. Emery. C. F. Newell.
S. E. Bolton.
Solicitors for the City of Edmonton, Imperial Bank of Canada, Bank of Ottawa, Bank of Montreal, Hudson's Bay Co., Canada Permanent Mortgage Corporation, Canada Life Assurance Co., B. C. Permanent Loan and Savings Co., the Reliance Loan and Savings Co., the Dominion Permanent Loan Co., the Colonial Investment and Loan Co., Credit Foncier Franco-Canadien.
Office: McDougall street, near new Imperial Bank building.

NEW INSURAN
BILL PRES

To the House by Financ
Effort to Strike Acc
Medium.

Ottawa, Dec. 18—In pre
new insurance bill Hon. M
recalled the fact that a
had been appointed a year
quire into the question of
and had, with their report,
a draft bill for the revision
surance act. The latter w
importance that the gover
not deem it advisable to pr
it immediately but preferre
on the table until another
"In the interim," said M
"we have been able to give
further consideration, and w
sistance of insurance expe
ity and impartiality we hav
a bill. It is necessarily some
nical and complicated in
but can be understood
study and with the assist
surance experts. I need
my remarks with details
but will call attention to i
portant features. The bi
by the commision dealt w
surance only, while in th
submitted the whole ques
surance is dealt with, thou
endments chiefly relate
surance."
To a question by Mr. B
Fielding stated that the ne
a consolidation of all acts
insurance.

More Complete Con

"In the investigation b
mission it was complaine
powers of the governme
the finance minister were i
as was desirable. We a
these powers. It was he
minister could not withdr
pend licenses of a comp
under very exceptional cir
By the new bill the minist
any violation of the Ins
withdraw, suspend or refu
a license of an insurance
The powers of the superi
insurance were widened by
the powers of a deputy m
specially enabling him to
fices of the American com
inspect their business a
office when deemed desira
also given the power to m
audits and appoint valuat
property of companies whe
it desirable. The trust f
eign companies must be
placed under a trust of
trust company, and wher
occur through the death
trustee, his place must
appointment of a trust c

Abolish Dividend P

"A question much discu
of deferred dividends an
mission proposed to abol
dend policies and distrib
plus annually. We realiz
object of the commission
but think an annual distri
ir drastic and have provid
surplus shall be distribut
three years. The compan
viding annually may con
so. The commission re
that the surplus funds fr
dividends should be treate
ties. To this the compan
jected. We propose that
should be treated as a liab
report of the companies
of the considerable deprec
curities, such as occurs at
time, it would place the c
the position of apparent i
charge the company with
the depreciation. In the
preciation, which would in
it is proposed that the
may be charged against
funds and in that way
will appear as a liability
pany.
"A much discussed que
of expense of new and re
ness. This is one of t
problems. The commis
mended that the expense
business be shown separat
old. This is desirable, bu
that the companies may
culty in making a distin
proportion of expense to o
However, feeling the obje
one, we would have allowe
recommended by the co
stand.
"The question of salari
missions has been much
We propose that the offi
head office shall not be
receive commissions in a
form. Only agents may be p
commission. No salary
or more may be
out having been specially
board of directors. With
might be possible for a g
ager by his own act to
the payment of a larger
was recommended by t
sion.
"We propose that no a
salary may be made for
more than five years. The
recommended three years.
this is too short a time.
protection against excessiv
we propose that in the ca
and commissions amount
than four thousand dolla
list of salaries and pers
they are paid must be f
the companies and publ
annual report on insuran
"Any person receiving
thousand dollars in salar
mission combined will fi
on the insurance report.
that publicity is the onl
curb we can put on abus
rection.

Big Fine for Reb

"With regard to rebate
favors the commission
mended that these be a
proposed that in every ca
ing a rebate, a penalty o
and dollars may be impo
director or manager of t
the agent of which had
bate. It seems to us tha
severe on the directors.
not take account of th
gave the rebate or the