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OF THE
FARMER'S ADVOCATE
AND HOME
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THE FARMER'S ADVOCATE & HOME MAGAZINE

THE LEADING AGRICULTURAL JOURNAL IN THE DOMINION.

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The FARMER'S ADVOCATE is published on or about the first of each month. It is impartial and independent of all cliques or parties, handsomely illustrated with original engravings, and furnishes the most profitable, practical and reliable information for farmers, dairymen, gardeners and stockmen, of any publication in Canada.

Terms of Subscription—\$1.00 per year in advance; \$1.25 if in arrears; single copies, 10c. each. New subscriptions can commence with any month.

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Address—**THE FARMER'S ADVOCATE, or
THE WILLIAM WELD CO.,
WINNIPEG, MAN., CANADA.**

Our Monthly Prize Essays.

CONDITIONS OF COMPETITION.

1.—No award will be made unless one essay at least comes up to the standard for publication.

2.—The essays will be judged by the ideas, arguments, conciseness and conformity with the subject, and not by the grammar, punctuation or spelling.

3.—Should any of the other essays contain valuable matter, not fully covered by the one awarded the first prize, or should any present different views of the same topic, and we consider such views meritorious, we will publish such essays in full, or extracts from them as we may deem best, and allow the writer ten cents per inch (one dollar per column) printed matter for as much of such articles as we publish. By this rule each writer who sends us valuable matter will receive remuneration for his labor, whether he be the winner of the first prize or not.

4.—We invite farmers to write us on any agricultural topic. We are always pleased to receive practical articles. For such as we consider valuable we will pay ten cents per inch (one dollar per column) printed matter. Criticisms of Articles, suggestions How to Improve the ADVOCATE, Descriptions of New Grains, Roots or Vegetables not generally known, Particulars of Experiments Tried, or Improved Methods of Cultivation are each and all welcome. Contributions sent us must not be furnished other papers until after they have appeared in our columns. Rejected matter will be returned on receipt of postage.

Replies to circulars and letters of enquiry sent from this office will not be paid for as provided by rule 4.

A prize of \$5 will be given for the best essay stating the conditions that render summer fallowing desirable, its advantages, and describing in detail the best system based on writer's experience and observation. Essay to be in this office not later than April 15th.

A prize of \$5 will be given for the best essay on "The Profits of Beef Production in Manitoba and the Northwest;" writer to give a detailed statement of the cost of production. Essay to be in this office not later than May 15th.

Our prize of \$5 has been awarded Mr. D. F. Wilson, of Brandon, for the best essay on "The Eradication of Noxious Weeds."

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Our Prize Essays.

The prize essays which should have appeared in this number were left over to be published in April. Many of them were of such excellence that we concluded that the space at our disposal this month was too limited to do justice to the competitors or our readers.

Methods of Sowing—Brandon Experimental Farm Tests.

Last year (1890) the drill test included wheat, oats and barley, but in 1891 the plots of oats in the test were so badly injured by frost that we have left them out altogether.

	Per Acre— Bush.	Lbs.
Wheat with the common drill gave	33	20
press drill	28	50
broadcast machine gave	22	10

The common drill gave 4½ bushels more than the press drill, and 11 bushels and 10 pounds more than the broadcast machine. This result was the same as in 1890, only more emphatically in favor of the common drills.

	Per Acre— Bush.	Lbs.
Barley sown with the press drill gave	55	10
common drill	50	30
broadcast machine gave	42	14

The press drill takes the lead with barley, the yield being 4 bushels and 28 pounds more than the common drill, and 12 bushels and 44 pounds more than the broadcast machine. This is also the same result as last year, when the press drill took the lead with barley. In conclusion, I might say that every year, and on all parts of the Experimental Farm, the drill-sown grain has given the largest yield.

THE QUANTITY OF SEED TO BE SOWN.

Fifteen plots were devoted to this experiment during the past season—5 plots to each of the leading kinds of grain.

	Per Acre— Bush.	Lbs.
4 pecks of wheat sown with the common drill gave	33	20
5 pecks of wheat sown with the common drill gave	26	25
6 pecks of wheat sown with the common drill gave	28	55
7 pecks of wheat sown with the common drill gave	39	55
8 pecks of wheat sown with the common drill gave	39	05

Seven pecks of wheat per acre gave the largest yield, this being the same as the previous year's experiment, and is evidently the proper quantity for land similar to that on the Experimental Farm. Nine pecks of oats and 7 of barley have given the best results both years, and these quantities would appear about right for land similar to that on the Farm.

There lately came into possession of "Farm, Stock and Home," of Minnesota, a letter from a high official of a great railroad system, giving away the interesting and suggestive fact that an agent at Minneapolis "sends out daily to all the various elevator interests in the Northwest the prices to be paid for wheat on that day."

Winnipeg Industrial Exhibition.

The newly elected directors of the Winnipeg Industrial Exhibition have re-elected Mr. Alex Macdonald (Mayor of Winnipeg), as President for 1892, and Mr. D. E. Sprague, Vice-President. The exhibition is to be held from July 25th to the 30th, inclusive.

Important Notice.

In our advertising columns will be found this month a choice selection of strawberries, raspberries, ornamental trees and shrubs, which we are giving as subscription prizes. This is the fullest and best lot ever offered by a Canadian paper.

Do not forget our splendid collection of flower and vegetable seeds, which we offered in the January number, pages 28 and 29. This is a superior collection. We wish each subscriber to avail himself of this offer. As good value is not offered in any other house in Canada.

If you want to obtain pure-bred live stock on easy and satisfactory terms, read the list of subscription prizes published on page 494, December number. We buy the best and most highly bred stock from the best and most reliable breeders only. We warrant all animals to arrive safely and give satisfaction in every respect. We do not sell them, but give them as subscription prizes.

World's Fair Notes.

A bill making a World's Fair appropriation of \$50,000, and authorizing municipal and county authorities to make additional appropriations for the same purpose, has been introduced in the Virginia Legislature.

It is reported from Argentine Republic that strong pressure is being brought upon that government to increase its World's Fair appropriation from \$100,000 to \$300,000.

The Illinois State Exposition Board has set apart \$40,000 as a special fund for the encouragement of live stock exhibits at the Fair. The fund is apportioned as follows: horses, 37 per cent; cattle, 30 per cent; hogs, 15 per cent; sheep, 12 per cent; poultry, 6 per cent.

A State World's Fair conference, presided over by Commissioner Lindsay, was recently held at Louisville, Ky., with about 250 representative citizens present from all parts of the State. The Governor's recommendation that the legislature make a liberal World's Fair appropriation was unanimously indorsed, and \$100,000 was named as the sum deemed necessary for creditable representation. It was recommended that 15 per cent. of this sum be devoted to the collection of an exhibit illustrating the resources and history of the State, with a view of first showing it at the celebration of the 100th anniversary of the admission of the State into the Union, to be held at Lexington, and afterward including it in the exhibit to be taken to Chicago.

New Hampshire, as a delightful place of summer resort, will be demonstrated by a portion of the exhibit made by that State at the Exposition. At least such is the present intention, and summer resort proprietors, editors, railroad officials and others have been invited to a conference to decide upon the best plan for accomplishing that end.