

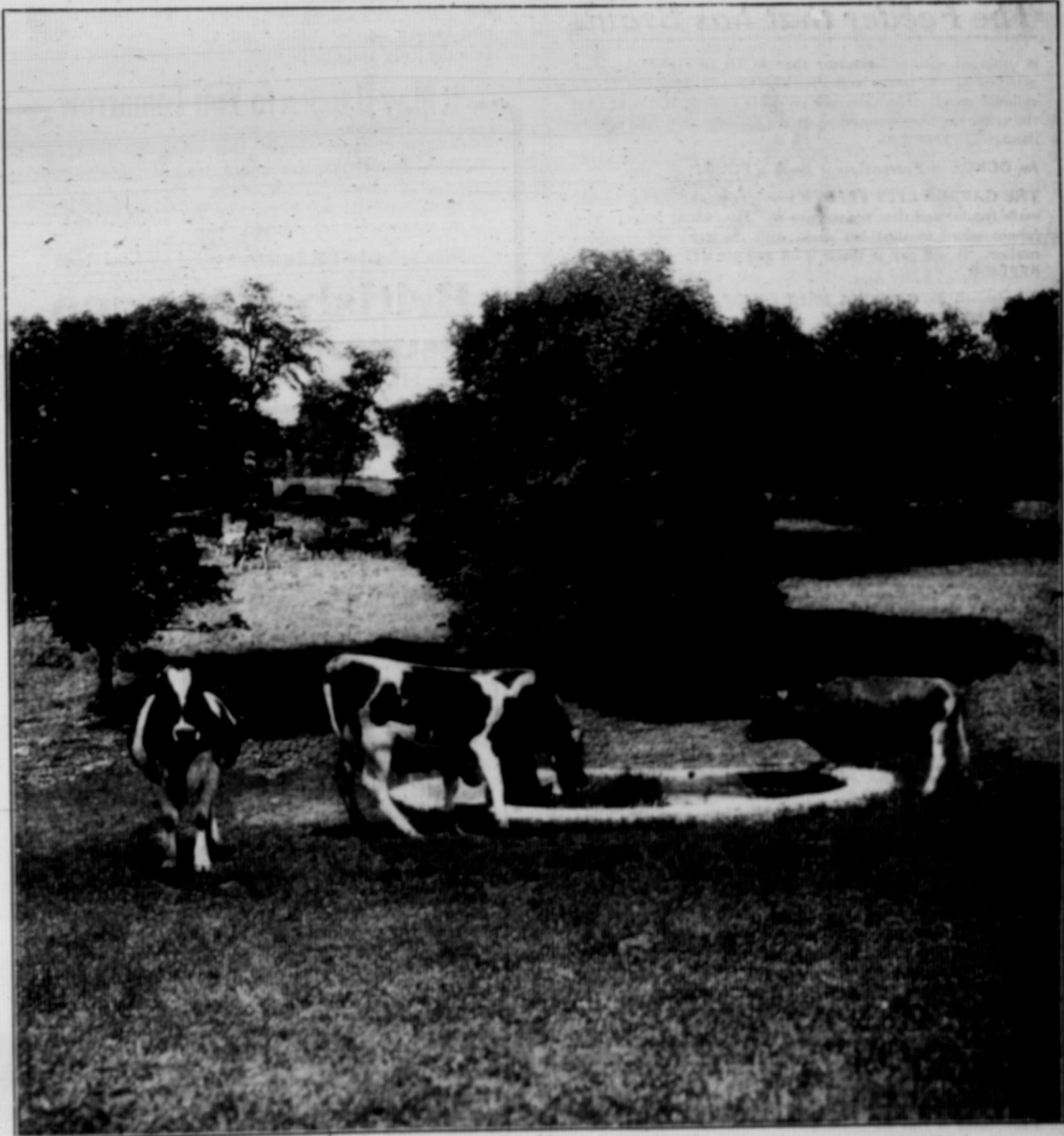
# THE GRAIN GROWERS' GUIDE

Organization · Education · Co-operation

Winnipeg Man.

June 28, 1916

\$1.50 per Year



PROVIDE WATER IN THE PASTURE

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Price less

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# The Famous Garden City Feeder

THE FEEDER is the MOST IMPORTANT part of your threshing rig. The work of the separator depends almost entirely upon the work of the feeder; therefore, you should be SURE that your feeder is a REAL FEEDER, not merely a contraption to cut the bands and carry the grain to the cylinder.

## The Feeder that has Brains

is equipped with a Governor that ACTS BEFORE the grain gets out of the feeder and PREVENTS any reduction of the cylinder speed. The Governor on other feeders ACTS AFTER the grain has been dumped upon the cylinder, and AFTER the damage has been done.

An OUNCE of Prevention is worth a POUND of Cure.

THE GARDEN CITY FEEDER prevents trouble; other feeders make trouble and then try to cure it. How about yours? You cannot afford to start out again with the same old trouble-maker. It will pay to throw it off and get a GARDEN CITY FEEDER.

We also sell the CASWELL BELT GUIDE. Satisfaction guaranteed or your money back.

The Garden City Feeder Company, Ltd.

REGINA, Sask.

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# Mixed Farming Special

Conducted by Alberta Department of Agriculture and assisted by Dominion Department of Agriculture, Canadian Pacific Railway Company, Canadian Northern Railway Company and Grand Trunk Pacific Railway Company.

Special lectures and demonstrations on all phases of farm work. Subjects—Livestock, Field Husbandry, Poultry, Dairying, Game Protection. Special Exhibits from Demonstration Farms and Schools of Agriculture. Household Science and Home Making. Train will stop for half a day at each of the following places:

CROW'S NEST LINE, C.P.R.		GRAND TRUNK PACIFIC RAILWAY	
Cowley	Friday, June 23	Chautin	Thursday, July 13
Pincher	Friday, June 23	Edgerton	Friday, July 14
Lethbridge	Saturday, June 24	Wainwright	Friday, July 14
Macleod	Saturday, June 24	Irma	Saturday, July 15
MACLEOD-CALGARY LINE, C.P.R.		Viking	Saturday, July 15
Granum	Monday, June 26	Bruce	Monday, July 17
Clareholm	Monday, June 26	Holden	Monday, July 17
Staveland	Tuesday, June 27	Tofield	Tuesday, July 18
Parkland	Tuesday, June 27	Clover Bar	Tuesday, July 18
Nanton	Wednesday, June 28	Edmonton	Tuesday Evening
Cayley	Wednesday, June 28	CANADIAN NORTHERN RAILWAY	
High River	Thursday, June 29	Fort Saskatchewan	Wednesday, July 19
Aldersyde	Thursday, June 29	Bruceholm	Wednesday, July 19
Okotoks	Friday, June 30	Lacombe	Thursday, July 20
Drumheller	Friday, June 30	Chipman	Thursday, July 20
Calgary	Saturday, July 1 (All Day)	Mundare	Friday, July 21
CALGARY-EDMONTON LINE, C.P.R.		Vegreville	Friday, July 21
Altona	Monday, July 3	Leroy	Saturday, July 22
Crossfield	Monday, July 3	Rainy Lake	Saturday, July 22
Carleton Place	Tuesday, July 4	Imperial	Monday, July 24
Didbury	Tuesday, July 4	Minburn	Monday, July 24
Olba	Wednesday, July 5	Manville	Tuesday, July 25
Sweden	Wednesday, July 5	Vermilion	Tuesday, July 25
Imperial	Thursday, July 6	Islay	Wednesday, July 26
Red Deer	Friday, July 7	Kitao	Wednesday, July 26
Blackfalds	Friday, July 7	Lloydminster	Thursday, July 27
Lacombe	Saturday, July 8		
Poncha	Saturday, July 8		
Wetaskiwin	Monday, July 10		
Millar	Monday, July 10		
Leduc	Tuesday, July 11		
Edmonton	Wednesday, July 12 (All Day)		

This Special Train will consist of fourteen cars, including two cars of Pure Blood Horses and Cattle to be used for judging and demonstration purposes, other cars will contain Exhibits upon which demonstrations and lectures will be given on different phases of Agricultural Work and Domestic Science.

Amongst other things these Exhibits will include Models of Farm Buildings suitable for dairy cattle, hogs, sheep and poultry, also Veterinary Exhibits. There will also be Exhibits of Game, Grains, Grasses, Woods, Samples of Students' Work at the Agricultural Schools, Dairy Products and Farm Dairy Equipment.

### FARM WOMEN'S SECTION

There will be one car containing Exhibits from the Household Science Departments of the Schools of Agriculture and another under the direction of the Women's Institute Department, where demonstrations will be given in cooking and in the canning of fruits, vegetables, meats and soups. A special nursery car will be provided for the children so that the mothers may be free to attend the lectures and demonstrations.

DUNCAN MARSHALL Minister of Agriculture.	J. DOUGALL General Agricultural Agent Canadian Pacific Railway Company
ALEX. CALBRAITH Superintendent of Fairs and Institutes	A. A. TISDALE Asst. to Vice-President Grand Trunk Pacific Railway Company
R. CREELMAN General Passenger Agent Canadian Northern Railway Company	



Assets over \$2,500,000

A.D. 1833

Losses Paid Nearly \$40,000,000

# Hundreds of Farmers Hailed Out Last Year!

It isn't good business to figure that a hail storm will not strike your crop this year. Figure that it will and insure in this time tried and reliable company. It's the only way to be safe.

## It May Happen to You Tomorrow

Take no chances—select this company for your insurance and you are guaranteed full protection, and prompt payment in case of loss. The reputation built up by us during the past 80 years for fair dealing has won for us the confidence of farmers everywhere.

Write Today for Full Particulars or See our Local Agent

# British America Assurance Company

Hail Dept. - Winnipeg

## IN HAY TIME & HARVEST

LOUDEN HAY TOOLS

LOUDEN HAY TOOLS



## FOR QUICK WORK

The Louden Carry-All Sling Carrier is the heaviest and strongest Carrier made. It is constructed to work in any type or size of barn, and to carry large heavy loads.

Tested under loads weighing over 3,000 pounds, and with all kinds of power it made good. In hundreds of barns it has proved its efficiency and its strength.

Rope wheel in Carrier is 10 inches in diameter, and is roller bearing.

Track wheels on Tread 3 inches in diameter.

Bearing surface on Track 19 inches.

Carrier Slings within 26 inches of the Track.

The Louden Senior Hay Fork Carrier meets the demand for a Carrier possessing that extra strength and power necessary for the safe handling of extra big loads. It is a 5-wheeled carrier and will do excellent work, whether the hay is taken up from the end of the barn or from a centre driveway.

Rope wheels are 7 inches in diameter and are fitted with Roller bearings.

Track wheels on tread 3 inches in diameter.

Bearing surface on Track 15 inches.

Carrier Fork within 20 inches of the track.

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## LOUDEN MACHINERY CO.

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A pink notice attached to this page shows that your renewal is due. We hope you have enjoyed The Guide and that you will send us \$1.50 for your renewal at once, using the blank coupon and the addressed envelope which will also be enclosed.

THE GRAIN GROWERS' GUIDE

"Equal Rights to All and Special Privileges to None" A Weekly Journal for Progressive Farmers

Published under the auspices and employed as the Official Organ of the Manitoba Grain Growers' Association, the Saskatchewan Grain Growers' Association and the United Farmers of Alberta.



The Guide is the only paper in Canada that is absolutely owned and controlled by the organized farmers—entirely independent, and not one dollar of political, capitalistic or special interest money is invested in it.

GEORGE F. CHIPMAN, Editor and Manager Associate Editors: Ernest J. Trott and E. A. Weir Home Editor: Francis Marion Beynon

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Commercial Display—18 cents per agate line. Livestock Display—14 cents per agate line. Classified—4 cents per word per issue.

No discount for time or space on any class of advertising. All changes of copy and new matter must reach us seven days in advance of date of publication to ensure insertion.



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Write for Catalogue.

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The Toronto Economy Silo

Besides our Silo, we make Blowers, Feed Grinders, Tanks, Barn and House Water Systems, Litter and Feed Carriers.

YOUR SILO must be air-tight, frost-proof and acid-proof. You can't make a good silo at home. The Toronto Economy Silo is made of 2 inch spruce, creosoted, double tongued and grooved, with steel splines in stave joints.

We completely equip your barn for efficient labor saving, dairy and feeding work.



WRITE us for our Silo Folder and Engine Book. We will tell you the modern way to Farm for Money.

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IT TOOK TWENTY YEARS TO INVENT A GOOD TRACTOR

BUT a few months use of an inferior oil will ruin one. Your tractor cost you good money. It is only common sense to lubricate it with the oil most suited for the purpose.

Polarine FRICTION REDUCING MOTOR OIL



pays big dividends in the form of longer hours and less trouble in your tractor. The ground may be heavy, the air cold, but you, at the wheel, will know that Polarine is earning maximum power in each running part of the engine.

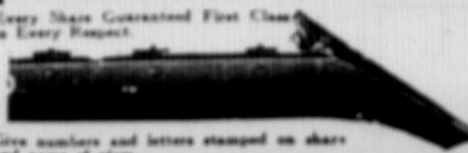
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Give numbers and letters stamped on share and name of plow.

- 12-inch Shares, each \$2.00 15-inch Shares, each \$2.50 13-inch Shares, each 2.25 16-inch Shares, each 2.50 14-inch Shares, each 2.25 18-inch Shares, each 2.75

The Canadian Stover Gasoline Engine Co. BRANDON - MAN.

For Real Comfort Wear this Oil-tanned Palmer-McLellan Plow Boot

Sent You Postpaid \$3.15



These Boots combine the easy comfort of Indian Moccasins—the protection of solid leather soles and heels and the waterproof qualities of the famous Palmer-McLellan oil-tanned leather.

They are made on right and left lasts—are light in weight, soft and flexible. If you work all day around the farm, in the fields, in the woods, calving, in fact, at any work where you are on your feet a great part of the time, you need Palmer-McLellan Plow Boots—they'll give you the comfort you wish and they'll wear like iron. They'll prove a pleasure and an economy.

- Made for men 6 in. high, \$3.15 per pair Made for men, 10 in. high, \$3.40 per pair Made for boys, 6 in. high, \$2.50 per pair Low cut harvest shoes, \$2.75 per pair



Dept. B Palmer-McLellan Shoeack Co. Limited FREDERICTON, N.S. Catalogue free, illustrating oil-tanned footwear

Value Extraordinary!



Dump Racks Price \$40.00

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F.O.B. Watrous, Sask.

When we send ahead for goods the other fellow gets our money and we get his goods. When we buy at home we get the goods and the money. We manufacture the above goods and will only direct from factory for cash at lowest possible price.

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New system Teeth, without plates; crowns, inlays, all kinds of fillings; extractions or any other form of work performed for you by the most up-to-date methods.

No Person Too Nervous No Work Too Difficult

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THOUSANDS OF PEOPLE are taking advantage of the same opportunity. Send a line of enquiry to THE GUIDE'S easy money making plan, to Subscription Department, Grain Growers' Guide, 100-102, Winnipeg.

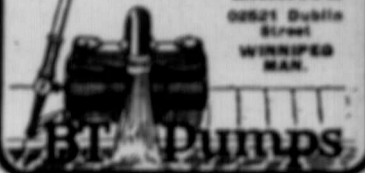
TWO BARRELS A MINUTE

Every threshing outfit needs a BT Tank Pump. It is made for hard work. Pumps two barrels a minute. Has solid plungers, no valves to get out of order. Solid brass valve seats, practically indestructible.

Ask your pump, hardware or implement dealer for BT Pumps. There's a BT for every purpose.

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# ONTARIO FRUIT

## Is Quality Fruit

That delicious flavor which remains a delightful memory long after fruit has been eaten is a prime quality of Ontario apples, plums, peaches, pears and grapes. There is something in the soil and climate of old Ontario which imparts to fruit an unexcelled flavor.

## APPLES!

Other climes may produce larger or more highly colored fruit, but no country has achieved that combination of excellent qualities which has justly made Ontario apples famous. Texture, flavor, juiciness and ripeness existing together constitute that characteristic of Ontario apples—lusciousness. Apple growers of Ontario are looking forward to a good crop again this year. The condition of the trees gives every promise of good yield, high quality and early maturity.

Grain Growers' Associations have purchased largely from Ontario in the past and have been well satisfied. Local Associations may place their orders thru The Grain Growers' Grain Company, Winnipeg, or may deal direct with the Co-operative Fruit Growers' Associations of Ontario. For list of Associations or further information, write:

## FRUIT BRANCH

Department of Agriculture

TORONTO

## Saskatchewan Homemaker's Convention

Largest gathering of Homemakers that has yet assembled had inspiring time

A foreshadowing of the wider use of the university plant in the interests of women was the distinguishing feature of the address of welcome given by President Murray, of the Saskatchewan University, to the sixth annual convention of the Homemakers' clubs. As a beginning the domestic science course of the normal students would, during the next term, be given in the university, and from that the logical and inevitable next step would be the incorporation of domestic science in the regular university calendar. The announcement was greeted with loud applause, as was also his invitation to the convention to appoint a committee to confer with the directors of extension work on the best method of resuscitating the almost defunct library scheme launched some years back. The convention at which these auspicious beginnings of things was mooted was the largest gathering of Homemakers which has yet assembled and one of the most enthusiastic. Thru a full program of interesting and inspiring addresses, listened to in the auditorium of the university and digested and discussed in the corridors and sitting room of the residence, the convention progressed to a triumphant conclusion on June 24. The work of the local societies found expression from time to time, and it was apparent that brains and hands had been active and led to important work

duction, while it almost immeasurably increased the keeping qualities of the eggs. A word was said, too, in relation to the different preparations by the use of which eggs could be kept until prices had risen. After experimenting with some thirty-five or forty different preparations, the Dominion government chemist had decided that nothing was as satisfactory for the preservation of eggs as lime water. About one-half a pound to a pound of quick lime should be allowed to a gallon of water and the preparation allowed to stand over night, when the top should be poured off and used to cover the eggs. It is best in the making of the lime water to pour boiling water over the lime. The eggs should be packed in crocks of not greater than eight gallon capacity, and preferably about four or five, with the small end down. Water glass was another very satisfactory preparation for those who did not want the bother of preparing lime water. Professor Baker also spoke very disparagingly of the practice of changing cockerels every year and getting birds quite unrelated to the flock. While this practice insured vitality in the birds it resulted in a hit and miss collection of fowl without any fixed characteristics.

### Mrs. Motherwell's Address

Mrs. W. R. Motherwell, in a carefully prepared paper, traced the beginnings



The remains of the German Zeppelin, L. 28, which was wrecked on the Norwegian shore. Some idea of the immense size of the airship can be obtained by comparing the wreckage with the people in the boat.

of a local and patriotic nature. Almost prodigious sums of money had been raised by different clubs with small but enthusiastic membership, and disbursed with a lavish hand for community and country. Miss DeLury, as director of extension work for women, reported the number of clubs in existence increased during the year from 120 to 160, that 93 visits had been paid to clubs, and twelve short courses given.

### Poultry Growing Scarce

Professor Baker slipped away from a Better Farming special to give at the opening session his annual address on poultry raising, without which no Homemakers' convention would be complete. He brought welcome news to the producers of eggs and poultry to the effect that both are scarce and growing more so. The shortage is directly traceable to the war, except in regard to turkeys, where the falling off seems due rather to a sudden lack of interest in producing these birds. The professor advised any woman present who had not a turkey and wanted one for Christmas to hasten forth and take out a mortgage on one against a day of much higher prices. In view of the urgent demand for eggs to be sent overseas, Professor Baker emphasized once again the importance of shipping infertile eggs. Excluding the male bird from the flock did not, he said, decrease the egg pro-

duction of social purity and civic and national honor to the home, from which radiates every good influence. At the same time she sounded a note of warning against the danger of women with their new found power of the franchise feeling that they must destroy before they can construct. But when once they are assured that certain reforms are urgent they must have the courage of their convictions and in no uncertain manner set about to bring them to pass.

### Gracious Effects of Music

Miss I. A. Phillips, in a lecture on "Music in the Home," demonstrated most charmingly that good music need not necessarily be dull and beyond the understanding of the untrained ear. After tracing briefly some interesting historical instances of the influence of music and telling of the humble beginnings of many musicians of note, she called upon a number of talented people from Saskatoon to illustrate the charm of simple, wholesome music. One of the favorite numbers was a motion song by two little folks, while that old song from Shakespeare, "I know a bank whereon the wild thyme grows," met with scarcely less appreciation. In speaking of musical instruments, Miss Phillips made it clear that in her opinion the humblest was not to be despised. Even the tin whistle, she said, had an

Continued on Page 27



# The Grain Growers' Guide

Winnipeg, Wednesday, June 28th, 1916

## ADDITIONAL TAX ON FARMERS

In a new catalog issued a few days ago by the co-operative department of The Grain Growers' Grain Company appears the following startling statement—

"We have found it impossible to do business with Canadian manufacturers of some of the lines that we handle. Generally, they seem to rely on the protection of the Customs Tariff to secure the prices they demand which has forced us to make many of our business connections in the United States. We have in the past year imported large quantities of supplies from this source. Now we are faced with another set of conditions. The Customs Department thru their Appraisers and Special Agents fix arbitrary values—for duty purposes—on the commodities we import. The Special Agents of the Department go to the manufacturer in the States to investigate conditions and in no less than five cases the American manufacturers have received letters from Ottawa informing them that they must invoice as per the instructions of the Department. In the case of the 'Grain Growers' Special Tractor,' we now pay a duty of 20 per cent and a war tax of 7½ per cent, on \$125 in excess of our contract price with the manufacturers. Wagons, Fanning-Mills, Gasoline Engines and Separators are subject to the same arbitrary procedure. How much farther this method will be carried we do not know.

To put the matter in simple and concrete form the Department of Customs at Ottawa has said in effect to The Grain Growers' Grain Company:—"You must not buy your tractor, wagons, fanning-mills, gasoline engines and separators from American manufacturers. If you do you must pay an extra fine over and above the regular protective tariff for so doing." To give some appearance of legality to this high-handed proceeding the Department of Customs has invoked a tariff regulation known as the "dumping clause." The section of the clause applied to this case is as follows:—

"In the case of articles exported to Canada of a class or kind made or produced in Canada, if the export or actual selling price to an importer in Canada be less than the fair market value of the same article when sold for home consumption in the usual and ordinary course in the country whence exported to Canada at the time of its exportation to Canada, there shall, in addition to the duties otherwise established, be levied, collected and paid on such article, on its importation into Canada, a special duty (or dumping duty) equal to the difference between the said selling price of the article for export and the said fair market value thereof for home consumption; and such special duty (or dumping duty) shall be levied, collected and paid on such article altho it is not otherwise dutiable."

Now this clause provides that before any special duty can be added to the regular tariff tax it must be in a case where the article is sold to Canadian importers at a lower price than it is sold for use in the United States. The Grain Growers' Grain Company have bought their various engines and implements at the regular wholesale price at which they are sold in the United States and their own investigation shows conclusively that the manufacturers of their engines and machinery are not "dumping" their product into Canada at a cut price.

It is quite obvious that the customs department would not act in this manner unless upon complaint of some Canadian manufacturers who do not relish the competition which The Grain Growers' Grain Company has afforded them. Manufacturers of agricultural implements in Canada have been highly protected for many years, yet large quantities of American made machinery have come into Canada over the tariff wall every year. The Canadian made machinery sells at the same price as the American made, the only difference being that in the case of American made machinery the tariff tax goes into the public treasury and in the case of Canadian made machinery the tariff tax goes into the manufacturer's pocket. But not being content the manufacturers have now induced the

customs department to put an extra tax on the machinery which the Western farmer has to buy. It has resolved itself to a considerable extent into a "dog in the manger" policy by which a number of Canadian manufacturers refuse to sell to the farmers' companies and have invoked the aid of the customs department to prevent the farmers' companies from buying in the United States. It practically puts the customs department in the position of chore boy to the Canadian manufacturers. If our Western members of parliament, both Conservative and Liberal, permit this gross injustice to pass without the most vigorous protest they are capable of making they cannot be considered as true representatives of the Western people. Even if the American manufacturers were selling at a lower price than they sell in the States (which in this case they are not) it would hardly be consistent to put a special tax upon the Canadian farmers who buy these implements. The fact is that our own Canadian manufacturers of agricultural implements do exactly the same thing. They sell their products for export to South Africa, Australia, New Zealand and Europe at lower prices than they sell for use in Canada. This has been demonstrated several times. It is also provided in the customs regulations that when our Canadian manufacturers export their product they get a rebate of 99% of the duty paid on the raw material entering into their product. Now they are doing exactly the same thing that they complain the American manufacturers are doing. The Grain Growers' Grain Company, however, have proved conclusively by investigation that in this case the American manufacturers are not selling at less than the home market price. It is to all appearances merely a case of the Minister of Customs using his arbitrary power for the benefit of a few manufacturers in eastern Canada. To give some idea of what the tariff tax on farm machinery amounts to we herewith reproduce another statement from The Grain Growers' Grain Company's catalog—

"For your information the following figures show the actual duty paid on various articles listed in this Catalog—

	Duty
Grain Growers' Special Tractor	\$204 '61
Wagons	\$17 55 to 20 75
Buggies	\$17 55 to 20 75
Gas Engines, 1½ H.P.	11 40
Gas Engines, 2½ H.P.	15 78
Gas Engines, 4 H.P.	26 80
Gas Engines, 6 H.P.	34 80
Gang Plow, 2 bottom, 12 in.	11 00
Gang Plow, 2 bottom, 14 in.	11 28
Gang Plow, 3 bottom, 12 in.	17 89
Gang Plow, 3 bottom, 14 in.	18 29

This shows the actual amount of tariff tax on these various engines and implements which The Grain Growers' Grain Company is selling. The same amount of tariff tax is contained in similar machines and implements made in Canada. If any farmers have had any doubt in their mind as to what the tariff is costing them these figures and facts will settle the matter definitely.

## OUR EIGHTH ANNIVERSARY

The Grain Growers' Guide was born in June, 1908, and this issue, therefore, celebrates its eighth anniversary. It is a matter of no little pride to those engaged in the publication of The Guide and we also believe to the farmers' organizations which support it that The Guide has made an exceptional record of progress during its eight years. It was brought into existence because the organized farmers felt that they needed a paper of their own to assist them in putting their case before the farmers of the West and the public generally, and building up a powerful farmers' organization for the improvement of agricultural

conditions. Without claiming any degree of perfection it will be generally admitted that The Grain Growers' Guide has pretty faithfully performed its function of working for the interests of the organized farmers. Today there are in the Prairie Provinces three great farmers' associations numbering over 50,000 members and three great farmers' grain companies with over 45,000 shareholders, the majority of whom of course are also members of the associations. These great farmers' organizations have helped to build up The Guide to the very prominent place it holds now among the farm papers of Canada and on the other hand The Guide has helped each one of these organizations to develop to their present powerful position. These six farmers' companies and associations with their own paper The Grain Growers' Guide represent the most widespread farmers' organization in the world, probably the strongest financially and one of the very strongest in numbers. The early years of struggle and doubt have been successfully passed and every one of our organizations is now on a sound footing. Their leaders have been trained in the hard school of practical experience and are wiser and more capable than in the beginning. It would require considerable space to enumerate the splendid work done by the farmers' organizations and the benefits they have secured for the farmers of the West. We must turn to the poet, however, to picture the future:—

"But grand as are these victories  
Whose monuments we see,  
They are but as the dawn which speaks  
Of noontide yet to be."

Under wise direction and with the loyal support of the farmers to their own institutions the next five years should see no less than 100,000 farmers linked up in these great organizations and The Grain Growers' Guide should, instead of having 34,000 subscribers as today, reach at least 75,000 farm homes and possibly 100,000. To reach these numbers is not in itself anything great to aim at but to get 100,000 farmers together working for mutual interest and for the benefit of agriculture and the improvement of our public life is one of the greatest achievements that we can strive for. Let us each lend a hand to make this country the happy, contented and prosperous land that the Creator intended it to be.

## THE RAILWAY PROMOTERS' TAX

While the tax on the profits of corporations throuth Canada is not an ideal one it is, nevertheless, as we have pointed out in these columns before, the best system of taxation we have had in Canada up to the present time for raising public revenues. It is the nearest to direct taxation that we have come to in the federal field and as the shareholders in these corporations see the profits they have been accustomed to partly drawn into the public treasury they will naturally be inclined to give closer attention to public expenditures. It was anticipated by the finance minister when he proposed this new system of taxation that it would provide approximately \$25,000,000 revenue to the public treasury. During the same session of parliament the government was authorized to loan \$15,000,000 to the Canadian Northern Railway and \$8,000,000 to the Grand Trunk Pacific Railway to save these two roads from financial disaster. Altho these two donations are politely called "loans" very few people have any anticipation that the government will ever get any return from them, but that they will be in the nature of gifts to these two institutions that have already profited to such an enormous extent from the

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public treasury. Thus it figures out that the direct tax upon corporations will practically be for the benefit of the promoters of these two railway companies. The shareholders of all the big corporations throught Canada will thus have the pleasure of knowing that when \$25,000,000 is taken out of their pockets by this new tax it is for the benefit of railway promoters almost entirely and will not be used for the conduct of public business nor for the prosecution of the war to a victorious conclusion. From present indications the three farmers' companies in Western Canada will contribute a considerable portion of their profits to this new corporation tax fund and all the farmers who are shareholders in these companies will have an opportunity to ask themselves whether they like this system of being taxed for the benefit of railway promoters who have already taxed them to an extent unprecedented in all history.

### GROW YOUR OWN FOOD

It continues to be a matter of surprise and comment that on so many farms in the West there is not a good kitchen garden every year. Throught the country a great many fine vegetable gardens can be seen and there should be one on every farm. A garden that can supply all the vegetables required in the household and a good stock for the winter can be grown with very little labor. From the standpoint of dollars and cents also it is a good investment because it will save the purchase of a large quantity of other articles of food. The health of the family will also be greatly improved by a better variety of vegetable diet. By following modern canning methods the vegetable supply of the summer can be made available all thru the winter at a much lower cost than the commercial article can be purchased. By expending a little labor during the summer and canning the product in the fall every household can have a good

supply of fresh vegetables grown on their own farm for use during every week throught the year. It is only now becoming generally known that practically every farm vegetable including all kinds of greens can be canned on the farm quite as easily and far more cheaply than they can be purchased. When this practice becomes general and the policy of "grow your own food" is widely accepted it will have a remarkably beneficial effect in reducing the cost of living in this country.

### COMPLAINTS AGAINST BANKS

We have announced in The Guide previously that there will be an all-day conference in Winnipeg in the next few weeks between the leaders of the organized farmers and the Bankers' Association. At the conference the various problems that arise between the farmers and the banks will be thoroughly discussed with the aim of arriving at a policy that will be satisfactory to both the banks and the farmers. The editor of The Guide has been asked to present at the meeting any complaints the farmers have as to the treatment received from the banks in the West. We want to know whether the banks are giving satisfactory service and if not, wherein they are failing. Every farmer who is not getting satisfactory service in every way from his local banker should send a letter at once to the Editor of The Guide giving the facts of the situation. His name will not be divulged but the matter will be taken up at the bankers' meeting and an understanding arrived at. These letters should be sent just as soon as possible and addressed to the Editor of The Grain Growers' Guide, Winnipeg, Man.

There is a bill now before the United States Congress for compulsory federal grain inspection and standardization of grades all over the States. The farmers' organizations in the States are supporting the bill and many of

the grain dealers, tho it is being opposed by a number of exporters.

We still get requests frequently in regard to the customs tariff. Any farmer who would like a copy of the Customs Tariff Act and Schedule can get it free by writing a postcard or letter to the Department of Customs, Ottawa. He will then be able to tell the exact rate of duty charged on any article imported into Canada. This Act and Schedule will not, however, show the secret regulations of the Department of Customs by which they exact much higher duties than the law provides.

The line elevator companies announced before the Board of Grain Commissioners that the so-called "hybrid" ticket had been in use since 1906 tho it was only approved by the Board of Grain Commissioners two years ago. The elevator companies maintained that by the use of this ticket they could do business more cheaply and they had given the farmers the benefit of this by reducing the charges at local elevators from 1 $\frac{3}{4}$  cents to 1 $\frac{1}{4}$  cents. They forgot to mention, however, that while they had been using the "hybrid" ticket for ten years it is only one year since they reduced the local charges to the farmer. They have had therefore nine years' harvest on the use of this ticket and even tho they have reduced the charges it is quite apparent there is still a considerable harvest to which the farmers are entitled.

If you have done no careful seed selection to improve the quality of your seed it would be well to begin this year. Get in touch with the Canadian Seed Growers' Association, Canadian Building, Ottawa, and get their literature. It will show you the best method of seed selection and prove to you the benefits it will bring in dollars and cents.



CLEARING THE ROAD FROM PRODUCER TO CONSUMER



# Combination Threshing Outfits

Letters from farmers show that the combination threshing outfit or small separator and tractor is rapidly gaining favor in the west



Outfits like this can be readily moved from set to set by a team. This outfit threshed 1,110 bushels of wheat in the fall and 3,000 bushels of oats in 1907 hours. Cost of threshing averages around 4 cents per bushel for wheat and 2 to 2½ cents for oats.



Improvements are constantly being added to these outfits. This one is equipped with a different shaped wind stacker, designed as the result of last season's experience, and a pair of extra tracks set in the center of the body help take up vibration.

Unquestionably farming in the West is tending towards the working of smaller areas of land. Not only is it being realized that to keep the land from becoming full of weeds and unproductive more intensive methods have to be used, but existing conditions, such as the shortage of help and frequently weather conditions, are aiding to rapidly bring farms down to a size where they can be economically worked. The labor problem has always been one of the western farmer's chief hindrances, and to cope in some measure with it large steam and later gasoline engines were extensively used to aid in putting large areas of land under cultivation. For many reasons the large power outfits are not practical on any but a comparatively few farms where circumstances are specially suited to their use, and two or three years ago the interest of farmers changed to the use of a small power outfit, one capable of doing the work of a four-horse team. Naturally, with the reduction in the power unit, the work done or the machines run by it had to be correspondingly reduced in size. Hence among other farm machines grain separators are now on the market which are suitable to be run by the small tractor. A further development has been the combination of the small separator with the small engine on the same base, making a complete threshing outfit mounted on trucks. Small combination threshing outfits have been in use on western farms for two or three seasons and have amply proved their value as part of the regular equipment of every farm. In order to get first-hand information as to the value of combination threshing outfits, a large number of farmers who have operated these for one or more seasons were written to. Each of the twenty replies received is perfectly satisfied with the results from the use of the machine. There are many advantages noted, and some of the letters which follow will give a clear outline of the users' opinions concerning their outfit. Summarized, the chief advantages are that a much cleaner and more thorough job can be done with the combination outfit than with the ordinary cus-

tom threshing outfit; the work can be done just exactly when and where desired; only one or two extra men are required to run the whole outfit; when weather is unfavorable all the help can easily be put to other work on the farm; threshing can be done very much cheaper; the engine can be used for odd jobs round the farm, such as grinding, pumping, sawing, etc., all the rest of the year, and the price of most machines is well within the means of any average farmer. The following letters

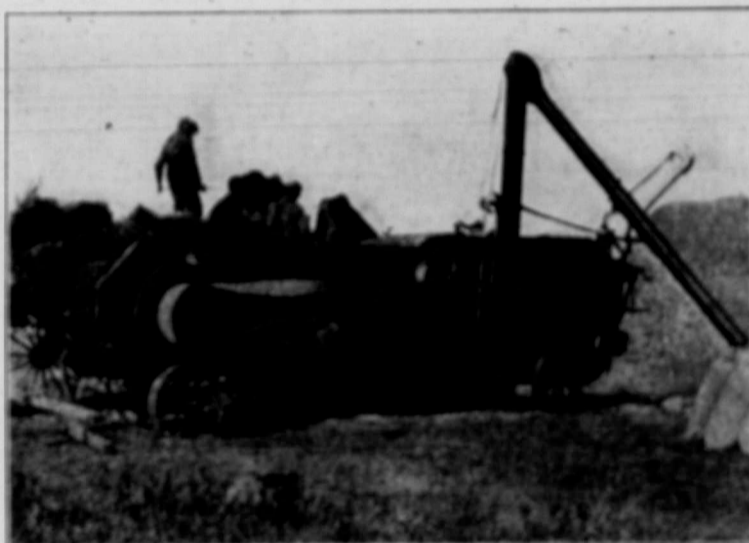
get it done when and how I want it without having my grain put out in the straw and wasted. You can get started to thresh a week earlier with the small rig, as the large one waits until the grain is all ready before they will start out, while with the small outfit you can start up on your first cutting and have a car threshed and shipped by the time they are ready to start. I have been the first to ship from this district for the last three years and have made as high as ten cents a bushel by being able to do so, as the early price is quite often the best. You only need a few men to run one, and if a shower comes along and stops operations you can always set them at something that will pay, and so keep them working all the time. As soon as you get a strip cleared you can put your teams to work odd spells on the land.

### Capacity of Machine

My machine is a 28 inch cylinder with an eight horse power engine, hand fed with straw carriers. We thresh from 400 to 500 bushels of wheat in ten hours, and from 1,000 to 1,200 bushels of oats, at a cost of from 4 to 4½ cents per bushel for wheat and 1¼ to 1½ cents per bushel for oats. It takes four men and two teams to run it. Sometimes we use an extra horse for bucking straw away. We sometimes do a little threshing for the neighbors and generally make enough to pay our expenses for hired help as well as enough to pay for our machine besides. If I had to go back to the worry of depending on someone to thresh for me I would be tempted to quit farming.

We also find the engine is worth all we paid for it for grain chopping, sawing wood, etc., as we can do these jobs at odd times, and we do not lose the time we need to by taking this work away from home, which is a great saving to us. Summing it all up, we get a better job of threshing done, our grain cleaned better, not so much wasted and done just when we want it without all the worry and suspense of wondering whether we were going to get it done at all or not, and then having

Continued on Page 19



Combination thrasher equipped with blower. This attachment requires the use of a higher powered engine.

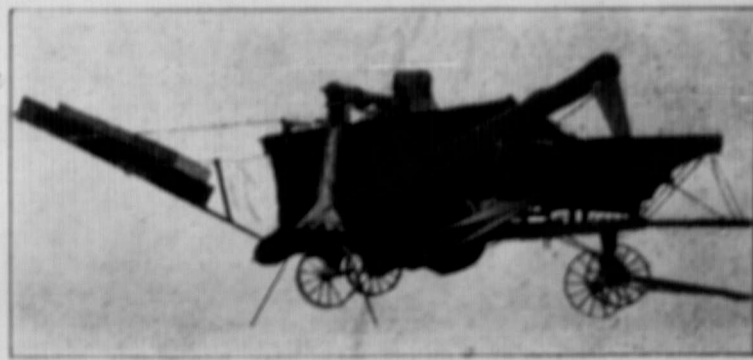
give the experiences of users of combination threshing outfits during the past season:

### Start Earlier to Thresh

I have been using the small threshing outfit for the past three years, and say positively that the individual machine is the most satisfactory rig I was nearly on the rocks by being disappointed in not getting a machine when I wanted it, but since buying all this has changed, and now I am able to



The large custom outfit is indispensable in many districts. They do a quick job and the quality of the work does depend almost entirely upon the men running the machine.



Grain separator designed for use with the 20 to 25 h.p. light tractors which are coming into more general use all across the West.

# Making The Grain Growers' Guide



Interior of general advertising and editorial office.



Interior of circulation department.

Many farmers and their wives visit The Guide office every year, and are always interested in watching the various processes which are necessary in preparing The Grain Growers' Guide for its readers. It is because of this fact, and that the greater portion of The Guide readers will never have the opportunity of visiting The Guide plant, that in this issue a number of the most interesting scenes in The Guide plant are shown on these pages. This issue of The Guide represents the eighth anniversary of the paper. In June, 1908, the first issue of The Guide was published in a small monthly edition. At that time The Guide had neither office nor printing plant nor staff. In the eight years that have intervened The Guide has become a weekly farm paper of the foremost rank in all Canada, and the plant in Winnipeg in which The Guide is published employs over eighty people regularly. In the advertising, editorial and circulation offices of The Guide alone more than twenty people are engaged the year round, while numerous writers scattered all over the country are engaged in preparing contributions for the paper.

At the present time one of the most serious problems in the publishing business is that of securing sufficient white paper on which to print. It requires from four and a half to ten tons per week, according to the number of pages in the paper, to print The Guide. There is a great shortage of paper all over the continent, and prices have jumped beyond anything ever previously known in this country. The kind of paper on which The Guide is printed formerly cost from 4½ to 5 cents per pound, while now it costs from 7½ to 8½ cents per pound. The white paper is the chief item of expense in publishing, and readers of The Guide will therefore see what a difference it will make in the cost of getting out the paper. This increase in cost will

mean an additional expense in publishing The Guide of about \$18,000 per year. The equipment in



Showing how the address labels are attached to each copy of The Guide. A small instrument, known as the "Stick Walker," is operated by the left hand. The labels are printed on a long roll of paper which is placed in the "walker" and is automatically gummed as it passes thru. The labels are cut and attached to the papers by this machine at the rate of several thousand per hour.

The Guide plant is the most modern that can be procured. Readers of The Guide will be interested to know that this \$150,000 printing and publishing plant is absolutely owned and controlled by the organized farmers, and that no politician and no capitalist has any voice of influence in it whatever. The Guide is not published for the purpose of making money, but to assist the organized farmers in carrying out their work. Year by year The Guide has improved its condition financially, and in the past twelve months has made better progress in every respect than ever before in its eight years' history. As The Guide becomes a financial success the profits made will be used to improve the paper and make it better for the service of its readers throughout the prairie provinces.

The underlines below each of the illustrations on these two pages will indicate what part of the office or printing plant is shown. Very few people who read The Guide probably have any clear idea as to the great amount of work that is necessary in order to prepare the 36 or 40 page paper that goes out regularly to the farm homes of the West. In fact, one farmer was heard to remark when he saw a picture of The Guide editorial staff that he didn't see what so many people were needed for. He had an idea that quite a number of them were drawing fat salaries and doing no work in return. If that same farmer were to spend a couple of hours going thru The Guide publishing plant he would change his mind, and would realize that every member of the staff is working for a living and giving good, honest return for the wages received.

When the present printing plant was built for the publication of The Guide in June, 1909, one year after the paper started, it was thought that it would be sufficient for at least ten years. The farmers' organization, however, grew more rapidly than any person would have prophesied. Three



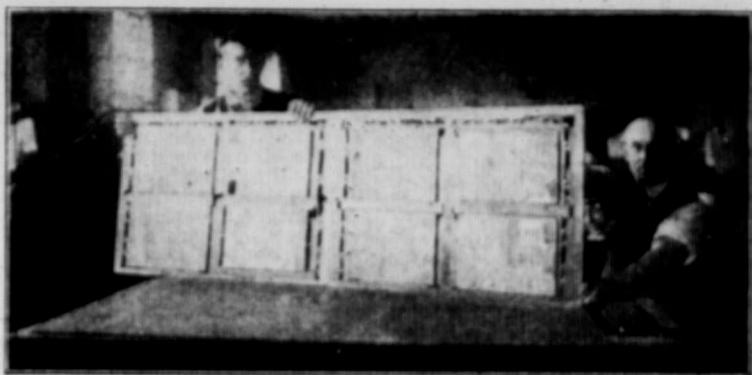
One of the big presses on which The Guide is printed. Sheets of paper large enough to print eight pages are placed in the automatic feeder (1), the sheets pass down near the cylinder (2), and are rolled against the type pages (3), which do the printing.



The addressing machine. This is one of the most modern inventions for handling mailing lists. Each name is cut on a small slip about four inches long. About 40,000 of these slips are fed to the rollers shown at the right of the picture. They are run thru the machine where the girl is standing at the rate of 1,500 per hour, and print the name and address on a narrow strip of paper, which is then used in the "Stick Walker" shown in the picture above.



# Guide



Eight pages of The Guide in type form all ready to go on the big press for printing.



After the various sections of The Guide are gathered in proper order in the bindery then they go to the stitching machine, as shown in this picture, where the little wire stitches are placed in the back to hold the pages together. These stitchers, like all other machinery in The Guide plant, are operated by electricity.



The trimming machine. When The Guide is all finished and before it is ready to mail the edges are all trimmed by a huge electrically operated knife.



A part of the mechanical staff of The Guide plant.



A portion of the bindery, showing where the various four-page and eight-page sections of The Guide are gathered together by hand in their proper order to make the complete paper.

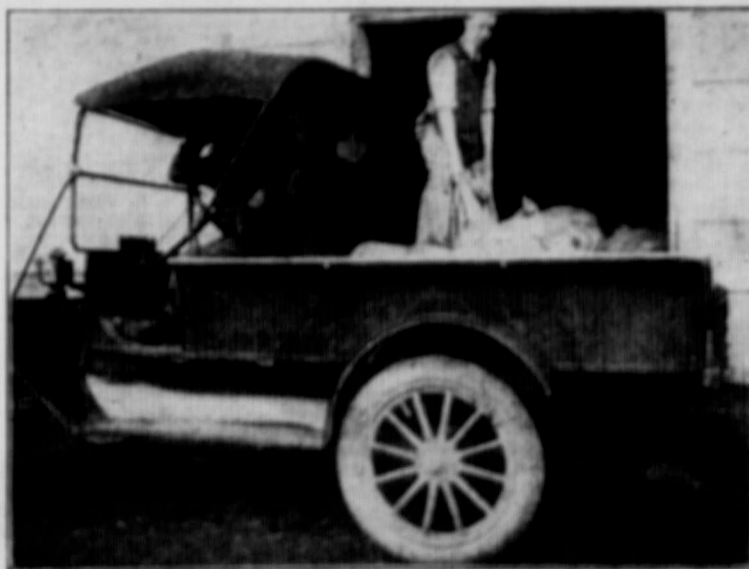


One of the big folding machines. Large eight-page sheets are placed in this machine, which automatically folds them twice and throws them out in a pile.

times in seven years extensive additions have been made to The Guide-plant until there is now no room for further additions, yet progress and growth continues. It is the hope of those in charge of the publication of The Guide that in the near future a new and even more modern plant will be erected which will be capable of enlargement and expansion to cope with the growth of the organized farmers' movement for some years to come.

Lack of space makes it impossible to enter into a detailed description of the processes necessary in the making of The Guide. Even the pictures on these pages will give but a very inadequate idea, as no machinery can be fully understood from a photograph. Some time in the future when a new plant is erected where photographs can be taken in better light and where the machinery and equipment is not so crowded, it is hoped that The Guide readers will be given illustrations to show even more clearly the methods by which The Guide is produced.

There are four natural divisions in the publication business. There is, first, the editorial department, where all news, correspondence from readers



Showing the completed Guide being delivered in mail carts to the post office for distribution through the country.

and articles from contributors are received and read and selected and edited. From the editorial department all these various contributions, which in a publishing plant are known as "copy," go direct to the printing department, where they are set in type and proofs pulled for approval by the editorial department.

Then there is the circulation department, whose duty it is to sell as many subscriptions as possible to farmers all over the country. The volume of correspondence in this department is very, very large. Local and travelling agents are working all over the country. The name of every subscriber is kept in this department on a stencil list in such a way that it is revised every week. The list also has to be arranged in such an order that The Guide when mailed will reach all the trains at the proper time in order that the paper shall reach the subscribers with the utmost promptness.

Third, but not the least important, comes the advertising department, whose duty is to sell as many advertisements as possible at a profitable price. It should be remembered that altho the subscription price of The Guide is \$1.50

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**15<sup>95 UPWARD</sup>**  
**ON TRIAL**  
 Fully Guaranteed



**American CREAM SEPARATOR**

A SOLID PROPOSITION to send a new, well made, easy running, perfect skimming separator for \$15. Same work or cold milk, making lumpy or rich cream.

**ABSOLUTELY ON APPROVAL**  
 Don't accept a second hand separator. Different from picture which illustrates our large capacity machine. Superiorly made promptly from **Windsor, Mass., Toronto, Ont., and St. John, N.S.** Whether dairy is large or small, write for literature free of charge. Address: **AMERICAN SEPARATOR CO., Box 2410, St. John, N.S.**

**Sweet Clover**  
 The Great Weed Destroyer

For feeding purposes, better than red clover. Similar to alfalfa. Thrives in any soil. Grown on our famous Seed and Petcheron Farm in Saskatchewan and is adapted to Western Canadian conditions.

Sow from now until July 1st; drill or broadcast fourteen pounds per acre. Particulars free. Prices on high tested, guaranteed, pure seed:

12 lbs., \$3.75; 25 lbs., \$7.75  
 50 lbs., \$14.50  
 100 lbs., \$28.00

By express or freight  
**Wm. Galloway Co.**  
 of Canada Limited  
 Dept. 211 - WINNIPEG

**CANMORE COAL**



**Highest Grade Steam Coal**  
 Produced in Canada

Equal to the best American Steam Coal. Sweet Anthracite, Smokeless, Sparkless, Low Ash, 14491 B.T.U.'s. Ask your dealer or write us for descriptive circular.

**Birnie Lumber Co. Ltd.**  
 General Sales Agents  
 CALGARY CANADA

**Saves a Team**  
 Attachments For Any Binder



**Cushman Binder Engines**  
 For All Farm Work

This is the one successful binder engine. Thousands are in use every harvest. Fits any binder. Engine drives sickle and all machinery. Since horses have only to pull machine, two horses will easily handle 8-ft. binder in heavy grain. In a wet harvest Cushman Engine saves the crop, as it keeps sickle going when bull wheel slips - it never slips.

After harvest Cushman engine does all other work. Very light weight and easy to move around, yet runs more steadily than most heavy engines, because of **Thrifting Governor** and **perfect balance**.

4 H. P. weighs only 190 lbs., when stripped for binder only 167 lbs. 8 H. P. only 220 lbs. Forced water cooling system prevents overheating. Equipped with **Friction Clutch Pulley**.

Also Irving, Cummings P. O., Vermillion, Alberta, writes: "I have been sowing wood with my Cushman lately and it has been working fine, no trouble so far. I am running an 8 inch L. H. C. grinder, which it handles nicely. I have put in a line shaft and run the churn, washing machine and cream separator. Everyone who sees it thinks it is the only engine."

Ask for free Engine Book, **Cushman Motor Works** of Canada, Ltd. 224 Princess St., Winnipeg

# Alberta

This Section of The Guide is conducted officially for the United Farmers of Alberta by P. P. Woodbridge, Secretary, Calgary, Alberta, to whom all communications for this page should be sent.

## SECRETARIES SHOULD BE BONDED

We have another appeal for help from one of our local unions, the appeal being to the effect that their late secretary has left the district and failed to hand over the funds of the union before doing so. In this case the loss to the union, unless the money is recovered, will amount to between \$30 and \$40, and the successor to the former secretary is naturally anxious to know what can be done. While such an occurrence is not common, it has unfortunately come to my knowledge more often than it should in the best interests of the reputation ordinarily enjoyed by the U.F.A. as an organization. We have again and again repeated our advice from the Central Office that all secretaries of our local unions should be under bond. A few of the unions have taken our advice, but the great majority are absolutely indifferent, and still others have been kind enough to write us suggesting that they did not desire to have anything to do with a graft of that nature.

## Unite to Reduce Premium

At the present time, to bond your secretary will cost you 50c per \$100 of insurance, the minimum insurance being \$500, but if we received any sort of support from our unions, the cost per \$100 of insurance could be considerably reduced, and probably the minimum could be cut in half also. In other words, if we could count on 75 per cent. of our unions bonding their secretaries from year to year we could probably arrange to get a policy issued which would be sufficient to meet the requirements of the ordinary union for about \$1.50. If that were done, we would hear no more complaints such as the above, and in the event of anything happening the secretary and the union then finding that they had no account at the bank, its funds being in the name of the secretary himself, the union would secure its funds from the bonding company, and they would look after the other details, thus relieving the union of much worry and responsibility.

There is not a responsible commercial house in this or any other country that does not put its responsible officials under bond, not infrequently demanding it even of officials who do not directly have the handling of any money. The reason that this is done is not because those business houses are hard in glove with some insurance company, trying to make premiums for them, or because they do not have confidence in the people whom they require to take out these bonds, but because it is recognized as good business procedure and in the event of anything unforeseen happening, it is a safeguard to the shareholders and people who have put money into the concern, and whose money is being used by the directors as a trust in carrying on the business.

The U.F.A. is daily receiving more attention from commercial interests. Inquiries are being received almost every day at Dun's, Bradstreet's and other agencies in regard to the financial standing of this or the other union, and not infrequently of the Central Office itself, yet a few of our unions will persist in spoiling the credit of their fellow unions by continuing to handle their business in slipshod, haphazard methods rather than take, at little or no expense, those precautions which are recognized the world over as good business methods.

## SUNDAY AT SEVEN PERSONS

We observed U.F.A. Sunday on May 21, and had our local minister, Mr. J. Smith and S. S. Dunham, of Lethbridge, address us. We hadn't a great crowd out, but I think we had the benefit of our money invested. We had a sale of home cooking on Friday, June 9, putting \$8.70 in our funds. We are planning a public picnic on July 12 with Whitt's Local C.F.W.A., and hope by that time the weather will be settled and that we can make a success of it.

## WAR RELIEF FUNDS

The following letters have been received from the various War Relief Societies, acknowledging donations recently sent them on behalf of our Association: Secretary, United Farmers of Alberta, Calgary.

Dear Sir:—I beg to acknowledge, with thanks, the generous donation of \$1,000 from the United Farmers of Alberta for the funds of our Red Cross Society. Will you extend our grateful thanks to all your members for their splendid help. It is most gratifying to us to know of the keen interest which is being taken in our work by the members of your society and its auxiliaries throughout the province.

M. PINKHAM,  
 Honorary Sec.-Treas., Alberta Provincial Branch,  
 Canadian Red Cross Society,  
 Belgian Relief Fund  
 Secretary, U.F.A.

Dear Sir:—We are in receipt of your favor of the 30th May enclosing cheque for \$117, being a contribution from the United Farmers of Alberta to our fund, for which we enclose official receipt. Will you kindly express to the members of your Association our most grateful thanks for this further generous contribution. It is indeed gratifying to us to know that we have your support and sympathy in our work.

Again thanking you  
 Yours truly,  
 A. DeJARDIN,  
 Secretary, Belgian Relief Fund,  
 Polish Relief Fund  
 Secretary, U.F.A.

Dear Sir:—We beg to thank you for your letter of the 20th instant, enclosing cheque for \$32, which we have forwarded to our Winnipeg branch for the credit of the Polish Relief Fund.

Yours truly,  
 M. SMELTZER,  
 Manager, Bank of Montreal.

## U.F.A. SUNDAY

F. Olsen, secretary of New Norway Local Union, No. 293, reports: I am pleased to give a report of our U.F.A. Sunday meetings, which were held in the New Norway Union Church on May 21. The morning service was conducted by Rev. G. A. Sanden of Highland Park. At noon a splendid lunch was served by the ladies. The afternoon service was conducted by Rev. P. Burgoyne of Dried Meat Lake, at which he gave a very interesting address, pointing out that obedience to God's commandments was the first step to thorough co-operation, and urging those present to take as much interest in religious meetings as they do in political and other meetings. A solo was rendered by Andrew Rockstad, accompanied by Mrs. Burgoyne, during the singing of which the secretary took up a collection for the Red Cross Fund, amounting to eight dollars. An hour was then given up to any members who cared to express their opinions in regard to President Wood's circular and also in regard to the resolution passed by the convention re U.F.A. Sunday. The meeting was brought to a close with a song by Mr. and Mrs. Sanden. The day was spent to the satisfaction of all present, which included a very large crowd.

## NEW FORBESVILLE LOCAL

A meeting was held in the residence of J. H. Forbes on May 19 at which it was decided to form a local union of the U.F.A. to be known as the Forbesville Union. Theo Wagner was elected president, G. A. Brown, vice-president, and Geo. L. Rotherham, secretary-treasurer. Eleven members joined at the meeting and several others are expected to do so at the next meeting. The secretary was instructed to invite the member for this district to a meeting of the union to discuss road work, the urgent need of a new ferry and any other matters the union may deem advisable. It was decided that meetings should be held on the last Saturday of each month in the St. Margaret's school house at 2 p.m., commencing June 24. This union is situated on the Saskatchewan border, some of the members' post office addresses being Union Lake, Sask., but all are farming in Alberta.

## SPLENDID SERMON AT EYE HILL

Geo. Halstin, secretary of Eye Hill Local Union No. 553, reports that the idea of a U.F.A. Sunday caught on with that local. The Methodist pastor, Rev. J. N. Wilkinson, readily complied with a request to devote some of his time to matters particularly affecting the U.F.A. work. In a thoughtfully prepared and earnestly delivered discourse, the reverend gentleman drew an apt parallel between our own times and certain times in Jewish history, when the old prophets strove to restore social and economic justice in Israel. The preacher proved the necessity for the religious and economic salvation of a people being worked out together, and appealed to U.F.A. members to work hand in hand with the Church for the achievement of a common aim; pithily remarking that thus Christ's Kingdom would be brought to earth and the future would look after itself. In earnest and appealing words, Mr. Wilkinson asked the divine blessing upon all that was best in the U.F.A. Organization. We have never heard our respected pastor preach more powerfully than on this occasion. There was a large turnout of U.F.A. members and friends, belonging to several denominations, who from remarks overheard at the close of the service evidently appreciated the innovation. Special music was rendered by a quartette comprising Mrs. Hughes, Mrs. Irving and Messrs. J. and W. G. Farquharson, which proved an enjoyable feature.

## PATRIOTIC FUND DONATION

Enclosed find draft \$104.50, \$4.50 for membership dues and \$100 to be applied on relief funds as follows:—  
 F. Parker, Red Cross, \$20; Belgian Relief, \$10; U.F.A. Patriotic Fund, \$10. A. Luehla, Red Cross, \$10. G. Munro, Belgian Relief, \$10. P. Shipper, Belgian Relief, \$10. P. Franke, Red Cross, \$5; Patriotic Fund, \$5. J. Lennox, Belgian Relief, \$10; W. Gardner, Belgian Relief, \$5; Red Cross, \$5.

## HOMESTEADERS WANT WORK

"Every fall some of the homesteaders in this locality go south in Alberta and Saskatchewan for harvesting and threshing. Some of the members of our Local Union wished information regarding where they might find employment as early as haymaking time. If you could give me some advice on this it would be greatly appreciated."  
 The above is a letter from C. M. Bonar, of Flat Creek, Alberta, and anyone interested in securing help this fall, in the shape of a good practical homesteader, who knows something about farming, would do well to communicate with Mr. Bonar at the address mentioned.

## U.F.A. SUNDAY ENJOYED

O. E. Jones, secretary of Prairie Dell Union No. 112, reports that the U.F.A. Sunday service held at Bruhns Hall, Stavely, by the various locals around Stavely was a decided success. J. W. Wilford was in the chair. The speakers, Messrs. C. A. Hensley, Malchow, North and Marshall, pointed out that the farmers have always been of a Christian class, and are capable of being social leaders, also that the representatives of the people are usually found to be a fair sample of their electors; that the crying need of the present day is clean, honest government, and that it will be well for the farmers to cultivate high, Christian morals after which our representatives can be modeled.

The secretary of the union has been instructed to order goods from the Hudson's Bay Co. in large quantities, but no definite instructions have as yet come forward. An order has been placed for a large carload of binder twine with the Alberta Farmers' Co-operative Elevator Co. The members will also ship several cars of logs (S.R.) this company during the week. Recent business includes the regular shipment of Galt coal, which is expected to arrive about June 15; 180 gallons of coal oil that has been distributed since April 1, and 7,500 cedar fence posts. The members have ordered three carloads of lumber direct. The local yards will compete with any price they can get, but the motto of this union is: "To sell or buy from the man who makes the price."



REPAIR YOUR IMPLEMENTS

The tremendous drain upon men and materials which the present world war has occasioned in making itself felt in all lines of production. That many of the manufacturers of agricultural implements are finding serious difficulty not only in securing the necessary labor but also in securing raw materials as well and that the surplus stock in many lines has entirely disappeared is a well known fact to all who are informed of conditions as they are.

This there is not apparently any serious danger of a famine of many kinds of farm implements during the present year, there is every likelihood of a shortage in some lines for the year 1917, and farmers throughout this western country will show good judgment and sound sense in looking over all implements and keeping them in proper repair, thus prolonging the life thereof as much as is possible. Above all, the time should now be past when any farmer will be so foolish as to permit himself to be persuaded by a smooth-tongued implement salesman to discard an implement which ought to be repaired. Many millions of dollars belonging to the farmers of this western country have been wasted in this manner. There are today many thousands of binders, separators, etc., standing around on the prairie, discarded and partially dismantled which ought to be in operation and which are quite capable of doing as good work as they have ever done, if put into proper repair. Many of the small villages scattered over the prairie contain machine shops which are fairly well equipped for the overhauling of machinery, including separators and engines, while our large centres, such as Regina, Moose Jaw and Saskatoon contain shops which are excellently equipped for such work.

Caring for the Binder

By way of illustration let us discuss the binder. There is, after all, very little to wear out about a self-binder. The writer has seen a binder which has not twenty successive crops and it will do good work. This particular binder had never been under cover from the day it left the warehouse. Apart from the canvas, the most perishable parts of a binder should last from five to six years, and these perishable parts can be renewed for an expenditure which is a mere fraction of the cost of a new binder. It would appear that implements dealers have been more concerned with the making of new sales than they have with assisting the farmer to keep his implements in good repair and thus prolonging their lives. Such implements as binders and separators perform on an average not more than ten days' work per year. Surely any well constructed implement working only ten days per year should last for a large number of years if properly cared for. This is as true of a separator as it is of a self-binder, and doubly true of an engine, particularly of a steam engine. A steam engine, if properly cared for and kept in repair with periodical treatment of certain perishable parts, should last an ordinary lifetime. An average threshing fall machine does not work over twenty full days per year; surely such a machine could be made to last for from fifteen to twenty years if properly cared for. It has been calculated that the average working life of a farm implement in Western Canada is less than half what it ought to be. Consider then the enormous waste which is incurred and the heavy cost against production for the too early discarding of farm implements. A conservative estimate of this loss would place it at a number of millions of dollars per annum in Saskatchewan alone.

Quick Action Necessary

If you deem it wise, would you ask every local of your G.G.A. to thoroughly check this subject out, and submit their view to the next annual convention in order that we may ask our government with no uncertain voice to phase this system of rural credits which receives the endorsement of our department in convention assembled, in operation at once. Now to a definite question. If the powers that be refuse, then we mean to place men in the House who will fulfil our wishes. I wish to draw your attention to the urgency of this subject. We farmers have as much right to this economic necessity as our railroad magnates and city brokers in the successful financing of loans for city improvements. Surely we, the producers of wealth have a right to a sound system of rural credits, which would result in better homes, better education, healthier children, better housing facilities for our

RURAL CREDITS

Central Secretary:—In Saskatchewan we have no system whereby our farmers can obtain financial assistance combined with that economy which is so essential to the successful production of our industry. It is true that there is a measure called the "Agricultural Credit Act of Saskatchewan" awaiting to be placed on record on our statute books, and then put into operation. If my information is correct; but that measure is in "Cold storage," where it is surely and gradually freezing to death, which is, in my humble opinion, justifiable homicide. There are some extremely objectionable features in this measure, chief among which is the necessary co-operation of ten farmers knowing one another's affairs, endorsing each other's credit individually and collectively, which would result in an enormous amount of debt—before a measure of this nature can be successfully accomplished. Such a system may be advantageously operated in old or countries, one would expect, where the farm property and its livestock and encumbrances are handed down generation after generation (hereditary, as it were), where the farm men and farm women and their children are so placed that they are thrown more and more into one another's society, but even there we do not find such a system as advocated.

Canada Like New Zealand

We in Canada are confronted with different conditions than those I have attempted to describe, but similar to the conditions that confronted the statesmen of New Zealand, Australia and Tasmania. When we realize the serious situation that confronted Premier Siddons of New Zealand in the early thirties, and the resultant successful phasing of his rural credit measure thru the financial panic that had seized the Australian continent, we realize how such separate state of Australia after this panic had been felt thru Australia and New Zealand, by forestalling this crisis, weakened the storm with credit due to her. Australia gladly adopted these very same methods. Surely if there ever was a time to test the strength of this system of rural credits, that time was then at hand, and this system witnessed that success and successfully weathered the storm, and it is gratifying to know that that system has not only been enlarged, but also extended.

Central Secretary

Central Secretary:—I beg to submit report of our organization meeting held at Canora on April 22 for the purpose of forming a branch of the G.G.A. The meeting was called to order by Arch Seaton. A. L. Smith was elected chairman and G. W. Patterson secretary of the meeting. The following officers were appointed: President, John Martin; secretary, R. Crowell; directors, Thomas Cronson, George McIlwain, James Vann, James Hunter, George Thornton, William Hunt. Payboard fund \$9.00 membership fees. A. L. Smith addressed the members on the Grain Growers' movement and then called on Mr. Higgins to speak on the proposed railway thru the country.

PATRIOTIC DONATIONS

Payboard fund charges to be applied as follows: Membership fees \$ 9.00 Canadian Patriotic Fund 21.00 \$30.00

Saskatchewan

The Section of The Guide is published annually for the Saskatchewan Grain Growers' Association by J. B. Henderson, Secretary, Regina, Sask., to whom all communications for this page should be sent.

livestock, and some of the little advantages that our city brethren possess but which we are denied, which would result, or at least have a tendency to produce a more contented and prosperous community, and would help to solve the problem of keeping our boys and girls on the farm as an offset to the glamor of city life. As the Manitoba G.G.A. seem to agree with the above mentioned solution of our rural credits I think we should issue before we adopt such a miserable system as advocated in our Saskatchewan Agricultural Credit Act. I desire to add that any detailed statistics of the rural credits as adopted in New Zealand are to be found in a book called "The Economic Laws of New Zealand." I believe, which John Graham, of Hillview, has, and in conversation with him I have no doubt that he would only be too pleased to give you any assistance that you may require. I have not his post office address, but no doubt J. A. Maharg could give it to you—Believe me, yours truly, A. HOWARD, Sec. Treas.

MEETINGS IN DISTRICT 15

- Monday, July 3—Bellevue, Kramers, Winifred, Kinsaid, Woodrow, Mayrouse, Hellinguer, Thursday, Mankato, Woodrow Co-op.—Meeting 8 p.m., Mayrouse.
Tuesday, July 4—Milly, Varsity, Numererove, Ghensdith—Meeting 3 p.m., Milly.
Wednesday, July 5—Roblaw, Corlan der, Hillsdale.—Meeting 3 p.m., Roblaw.
Thursday, July 6—Becke Plains, Dilloch, White Water.—Meeting 3 p.m., Becke Plains.
Friday, July 7—Waldville, Canora, Australia, Chamberry.—Meeting 3 p.m., Waldville.
Saturday, July 8—Rasmussen, London, Neologan, Kairy, Admiral, Dillard.—Meeting 3 p.m., Rasmussen.
Monday, July 10—Haramore, Canora, Anrold, Postels.—Meeting 2:30 p.m., Anrold.
Tuesday, July 11—Thorshack, Newate, Canora.—Meeting Thorshack, after arrival of train.
Wednesday, July 12—Victoria, Cypress Lake, Hange View.—Meeting 2:30 p.m., Victoria.
Thursday, July 13—Kandora.—Meeting 3 p.m., Kandora.
Friday, July 14—Westerleigh, Quimpe, Warren.—Meeting 2 p.m., Westerleigh.
Saturday, July 15—Caldiac, Orindal, Orindal Lake.—Meeting 8 p.m., Caldillac.
The above meetings will be attended by Thom Seaton and P. L. Chalgen.

CANUCK ORGANIZED

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RIDER AGENTS WANTED
In every 1916 Highway Bicycle
10 DAYS TRIAL
\$150
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10 DAYS TRIAL
\$150
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In every 1916 Highway Bicycle
10 DAYS TRIAL
\$150

\$150
CASH PRIZES
Boys' and Girls' Seed
Selection Competition
The Grain Growers' Guide wants to find out whether the best wheat and oats are grown in the Prairie Provinces. In order to discover this the Guide is going to pay \$150.00 in cash prizes to boys and girls who will assist in this work. Any boy or girl between 10 and 18 years of age (inclusive) living on a farm in Manitoba, Saskatchewan or Alberta may enter the competition. Each contestant may enter the competition for wheat and for oats, and any number may enter from the same family, provided only that no prize person may win more than one prize.

Prizes for Wheat:
1st Prize \$25.00
2nd Prize 20.00
3rd Prize 15.00
4th Prize 10.00
5th Prize 8.00
6th Prize 7.00
7th Prize 5.00
8th Prize 5.00
9th Prize 4.00
Prizes for Oats:
1st Prize \$20.00
2nd Prize 15.00
3rd Prize 10.00
4th Prize 8.00
This competition is being conducted by the Rural Improvement League of the Grain Growers' Guide. Every boy and girl who wishes to enter must become a member of the Rural Improvement League, which will cost nothing except a little work you can do for the day in your own home. You may buy or rent a bushel of wheat or oats for your seed and carry one of these bushels which will be ordinary feed oat and oatmeal when 180 or more weeks after the close of the competition should ship the attached coupon immediately. If you wait until the crop is ripe it will be too late for you to qualify as a member of the League. Sign the coupon and mail it today. We will reply promptly and tell you how to join the League and give you full instructions to help you select the best grain on your farm.

Prizes for Oats:
1st Prize \$20.00
2nd Prize 15.00
3rd Prize 10.00
4th Prize 8.00
This competition is being conducted by the Rural Improvement League of the Grain Growers' Guide. Every boy and girl who wishes to enter must become a member of the Rural Improvement League, which will cost nothing except a little work you can do for the day in your own home. You may buy or rent a bushel of wheat or oats for your seed and carry one of these bushels which will be ordinary feed oat and oatmeal when 180 or more weeks after the close of the competition should ship the attached coupon immediately. If you wait until the crop is ripe it will be too late for you to qualify as a member of the League. Sign the coupon and mail it today. We will reply promptly and tell you how to join the League and give you full instructions to help you select the best grain on your farm.



Paint particularly manufactured to withstand time and weather—in a word "climate-proof" is none too good for your out-buildings.

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Strong, solid paints—made honestly that cover well, give long protection and come in colors most suited to the various jobs. Your hardware dealer has them.

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# Provincial Exhibition

BRANDON, MAN.

JULY 17 TO 21, 1916

**\$60,000 in Premiums, Purses and Attractions \$60,000**

Exhibits will consist of Livestock, Poultry, Horticultural, Agricultural and Dairy Products, Fine Arts, Ladies' Work, School Exhibits.

*It's Manitoba's Only Big Fair*

**NEW FEATURES**—Butter-making Competition, Domestic Science Classes, Livestock Judging Classes, Wool and Egg Exhibits, Farm Tractor Plowing Demonstration.

**ATTRACTIONS**—Five Races each day, Platform Attractions, Aviation Flights by Miss Stinson, who will loop the loop, fly upside down. Two fights each day. **FIREWORKS.**

**ENTRIES CLOSE JULY 8th.**

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Single Fare Railway Rates from all points in Manitoba and Saskatchewan.

**A. C. McPHAIL,**  
President.

**W. I. SMALE,**  
Secretary.

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Entered in the  
Light Tractor  
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JULY 18, 19, 20  
1916

See it and Judge  
for Yourself



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Light, High Tension Drive Magnets. With Ignition Starter

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## Cream! TOP MARKET PRICES

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**THE TUNGELMAN CREAMERY COMPANY**

**BRANDON**

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE GUIDE

# Manitoba

This Section of The Guide is conducted officially for the Manitoba Grain Growers' Association  
By R. C. Henders, President, Suite 4, Balmoral Court, Winnipeg, to whom  
all communications for this page should be sent.

## BIG EXCURSION ON JULY 7

The Portage la Prairie District Grain Growers' Association purpose holding their annual picnic and holiday at the Agricultural College, Winnipeg, on July 7. Excursion rates of a fare and a third have been arranged, and at all stations where there are ten or more tickets sold this rate will be granted. Local secretaries are requested to try and arrange that the required number of tickets be bought at their stations. All tickets are good for thirty days.

R. RICHARDSON,

Sec. P.L.P. District G.G. Ass'n.  
Note.—This is a good opportunity for many to take advantage of the special rate and pleasant company in seeing the Agricultural College, and should make a very pleasant outing now that the rush of the season is over for a time.

## HARTNEY PICNIC

The picnic held at Hartney on June 16 under the auspices of the Home Economics Society, the Agricultural Society and the Grain Growers' Association was a great success. Mrs. Dayton, of Virden, gave a very pleasing, practical and suggestive address setting forth some of the features that could be introduced into the home life that would tend to make it more profitable and enjoyable, and without doubt many of those who had the privilege of hearing her address would profit by the suggestions offered. President Reynolds, of the college, spoke on the subject of Rural Economics, outlining the plans and policy of the college and the contribution it was prepared to make towards the building up of a prosperous, intelligent and contented rural life. R. C. Henders, president of the Grain Growers' Association, followed on the contribution the Grain Growers had made, and were making towards the solution of rural problems, dealing with the questions of legislation that had been secured and giving a forecast of some of the most important problems confronting the farmers at the present moment, and the suggested methods of solution. These addresses were commented on as being full of useful suggestions, and those present felt that they were well repaid. A characteristic feature of the picnic was the intense interest and attention given to the speakers. The ladies provided a bountiful repast, and all who attended the gathering were of the opinion that they had been benefited both socially and mentally.

## SUCCESSFUL OAK LAKE PICNIC

The Oak Lake Grain Growers' Association held a very enjoyable picnic on the grounds of the Agricultural Association on June 15. A fairly large and enthusiastic gathering greeted the speakers on this occasion. President R. C. Henders, of the Central Association, spoke on the principles of the Grain Growers' movement, and dealt with the legislation that has been secured already with good prospects of other legislation for the benefit of the farmers. F. J. Dixon, M.P.P., followed, speaking on Land Values Taxation, and acquitted himself in his usual style, covering every phase of the question in a way that all could understand. A bountiful repast was served by the Oak Lake ladies and the good things provided were enjoyed by all present. Oak Lake is to be congratulated on having such good accommodation for holding gatherings of this kind on the well laid out grounds of the Agricultural Association. The Oak Lake Association has an energetic secretary, who has done good work for their association.

## RURAL MATTERS INTEREST CHURCHES

There is an awakening among the churches in regard to the solution of rural problems. As a result of the educational influence of the Grain Growers' Association with regard to the

study of economics, and particularly the study of rural problems, there is an increasing interest manifested by the churches. The Methodist Church in its annual conference assembled at Portage la Prairie last week, devoted an evening to the study of the above question. At this meeting the conference invited President Henders, of the Grain Growers' Association, to preside. Principal Reynolds, of the Agricultural College, was the speaker of the evening. He delivered an address that was full of practical hints and suggestions, calculated to increase interest in rural life. The attention given and the interest manifested indicates that the churches are becoming fully awakened to the responsibilities that rest upon them along these lines.

## MEETING AT SOMERSET

The Somerset News reports the meeting held there recently as follows:—  
"A very interesting address was given by Secretary McKenzie, of the Grain Growers' Association on Friday and listened to by a fairly large audience. He outlined the work the G.G.A. is doing for the farmer. In Manitoba the association has only about one-fifth of the farmers as members and in order to have the full benefits of co-operation, he urged that every farmer should be a member. Every other industry has its association to back it up, and the farmer should have his. The G.G.A. has done a great deal of good for the farming community during its existence. Speaking of Rural Credits, Mr. McKenzie explained the term and stated that the association had placed the matter before the government, and it is likely to come up at the next session of the legislature. Canada and the U.S. are the only two countries which have not got this system. The farmers here when they want to buy land or improve their farms, borrow money by mortgage and pay a rate of interest. Under any rural credits system, the farmer would be able to borrow money for a long term—say 20 years—and pay a low rate of interest. This rural credits system would, of course, be under government bond guarantee and the money so loaned would probably be raised by debentures or some similar method. In regard to Co-operation, he stated that the time had passed when the farmer had to stay year in and year out on the farm; it was only by hearing the experiences and difficulties of the other fellow and telling of his own that the farmer could improve and that is where the value of an association comes in, to get together at a central point and talk matters over, the local merchant as well as the farmer, and help each other."

## COMING PICNIC AT ELM CREEK

Under the auspices of the Elm Creek Grain Growers' Association a picnic will be held in J. M. Kennedy's Grove (close to Elm Creek) on July 6, commencing at 2 p.m. R. C. Henders, provincial president; J. S. Wood, vice-president; F. J. Dixon, M.P.P.; E. A. August, M.P.P., and And. Graham, district representative, will be present and give addresses.

C. I. GRAHAM, Pres.,  
H. GRAHAM, Sec. Treas.,  
Elm Creek G.G.A.

Note.—With so many good speakers present this picnic should be a very enjoyable affair. Good weather is all that is necessary to make it the best yet. Come and enjoy yourself.

## NEW WHITEMOUTH BRANCH

A branch of the Manitoba Grain Growers' Association was organized at Whitemouth on Saturday, June 17. The meeting was held in the Municipal Hall, Whitemouth, and there were about sixty farmers present. A very instructive address was given by Secretary McKenzie, of the Central Association, which received close attention from



those present. After hearing this address on Co-operation and the aims and objects of the movement, it was unanimously decided to form a branch at this point. Forty-two of those present joined, of whom thirty-six paid in dues. The following are the officers elected:—President, Robt. Henderson; vice-president, John Larson; secretary-treasurer, E. Kirby. The directors elected were C. Alpers, T. G. Finnie, Wm. Henderson, Carl Huetteman, A. Latta, and D. M. Wardrop. A hearty vote of thanks was extended to the chairman and Secretary McKenzie.

**MOLINE ASSOCIATION**

Secretary D. Dyk, of the Moline Association, forwards their dues for fourteen members this week to the Central Office. The Moline branch has a new secretary in Mr. Dyk.

**SWAN VALLEY PICNIC**

The Swan Valley district association will hold their annual picnic at Kenville on Friday, July 7. A good program is being prepared. R. McKenzie, provincial secretary, will be one of the speakers.

**SOURIS DISTRICT CONVENTION**

The branches in the Souris district hold their convention in Minto. All the branches in that district are expected to have one or more delegates in attendance. They have arranged for a good live program with good speakers familiar with the aims and objects of the Grain Growers' movement, and all who attend will, we feel sure, receive encouragement and inspiration for carrying on the work in their own branch. Do not overlook having your branch represented.

**MEMBERSHIP DUES RECEIVED**

The following branches have contributed their membership dues this past week:—Baldur, Russell, Poplar Point, Plum Coulee, Moline, Silverton and Shadceland.

**SOMERSET MEETING**

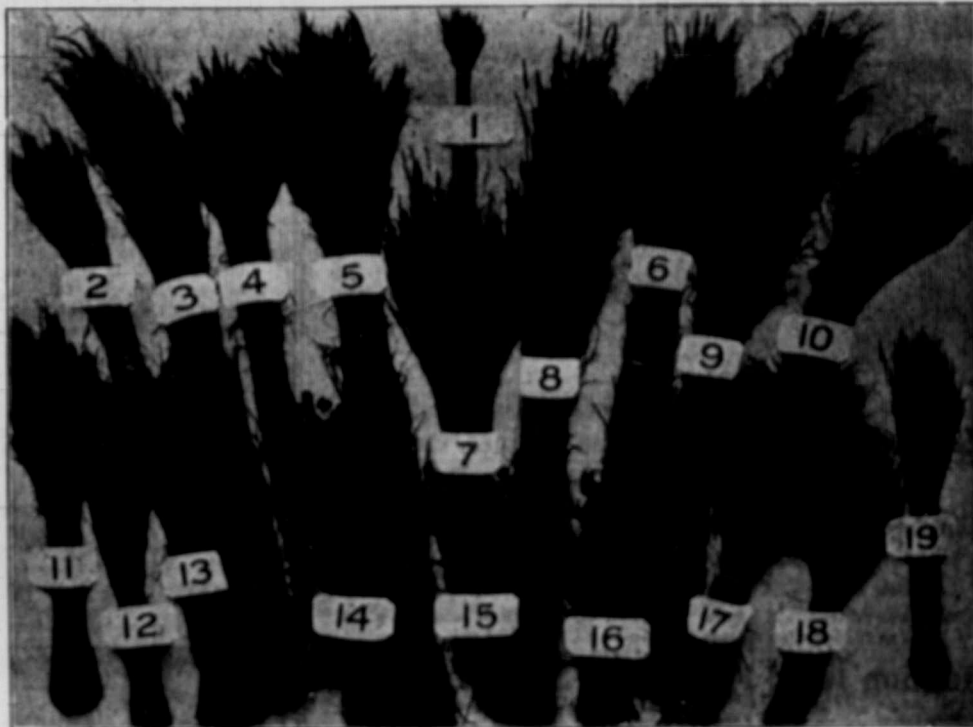
R. McKenzie, secretary of the central association visited Somerset branch on the evening of June 9, and addressed the gathering on the subjects of Rural Credit and Co-operation among farmers.

**AUSTRALIAN WHEAT COM MANDEERED**

W. Francis Ahern, of Melbourne, Australia, in an exchange describes the method by which the Australian government has guaranteed the wheat crop of that entire commonwealth. He estimates that the wheat crop will be 150,000,000 bushels, of which 100,000,000 bushels will be exported. The government has commandeered the entire crop and has guaranteed to pay the farmers the full market value of the crop less only the actual cost of handling it. He states that the grain trade and the grain speculators have been very much upset by the action of the government, and have fought it very vigorously. The system described by Mr. Ahern states that the government is taking charge of the entire grain business. The farmer hauls his wheat to the nearest railway siding and receives a voucher from the government which entitles him to go to the nearest bank and draw a first payment of 72 cents per bushel immediately, the agreement being that the balance of whatever is realized for his wheat will be paid to him at the close of the season less the advance made at the time of delivery. All the wheat commandeered by the government will be pooled in one fund. Mr. Ahern gives no details as to the grading system. He states, however, that up to the end of February there had been advanced to the farmers \$57,800,000, and only half of the harvest had been gathered at that time. He says that it is the general expectation that the Australian farmers will net something like \$1.40 per bushel for their wheat, tho he says nothing regarding grades, and this requires further explanation. This is particularly gratifying to the Australian farmer, considering that the highest price they ever received before was in 1901, when they got \$1.19, but since that time it has fallen as low as 61 cents.

# Grass Seeds

Can be sown to best advantage during the warm showery weather of June and July



**Grasses we are Growing**

Names of the above are all listed below, corresponding with numbers. Some of these are valuable for hay purposes and others are of greater value for pasturage.

1 Alopecurus pratensis (Meadow Foxtail)	2 Festuca rubra (Red Fescue)	3 Avena sativa (Tall Oat Grass)	4 Phleum pratense (Timothy)	5 Bromus inermis (Brome Grass)	6 Agropyrum tenerum (Western Rye Grass)	7 Agrostis vulgaris (Red Top Grass)	8 Dactylis glomerata (Rough Cockfoot or Orchard Grass)	9 Festuca elatior (Tall Fescue)	10 Festuca pratensis (Meadow Fescue)	11 Poa serotina (Late Meadow Grass)	12 Poa compressa (Canadian Blue Grass)	14 Trifolium pratense (Red Clover)	15 Anthyllus vulneraria (Kidney Vetch or Yellow Sand Clover)	16 Trifolium hybridum (Alaska Clover)	17 Poa pratensis (Kentucky Blue Grass)	18 Festuca duriuscula (Hard Fescue)
Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100
\$24.00	\$24.00	\$24.00	\$9.00	\$23.00	\$12.00	\$28.00	\$20.00	\$23.00	\$24.00	\$24.00	\$14.00	\$25.00	\$25.00	\$25.00	\$20.00	\$24.00

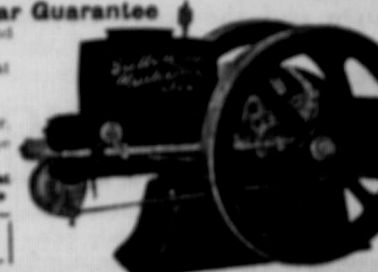
**Try Patmore's Reliable Grass Seeds for Hay, Pasture or Lawn**  
 They are the cleanest and best you can use. Good grasses for pasturage and hay, and trees for shelter and ornament, are amongst the greatest needs in Western Canada. In our nurseries we have growing and offer for sale—  
 500,000 Maples, 6 to 10 feet, from 1 cent to \$1.00 each. Russian Golden Willow Cuttings at \$4.00 per thousand. Russian Golden Willows at \$5.00 per 100. Laurel Willows, 2-3 feet, at \$5.00 per 100.  
 RUSSIAN POPLARS, BASSWOOD and all other hardy ornamental trees and shrubs. 500,000 CARAGANA, LILACS and HONEY-SUCKLES for hedging at \$1.00 and \$5.00 per hundred. 100,000 hardy FRUIT BUSHES and TREES at lowest prices. Write for Catalogue

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Brandon, Man. Established 1883. Saskatoon, Sask.

# Galloway "Masterpiece-Six" Gasoline Engine

Made in our own factory—Sold direct to you on our 5-year Guarantee  
**HERCULES CYLINDER HEAD** gives greater strength and greater power, and larger cooling surface.  
**LARGE BORE**—3 1/2 inch. **LONG STROKE**—10 inch. This gives great power at low speed.  
**VALVES IN CYLINDER HEAD** mean greater power for gasoline consumed.  
**MASTERPIECE IGNITER** insures sparking and firing of charge in the coldest weather.  
 Numerous other superior features. Big catalog tells all about it—write for one today. Made in 12, 21, 4, 6, 8, 12 and 16 horse power sizes.  
 6 Horse Power Engine illustrated **\$159.50** Webster Magneto at small extra charge



**OUR POLICY** Unconditional satisfaction, or money and freight both ways refunded.—(Signed) Wm. Galloway.

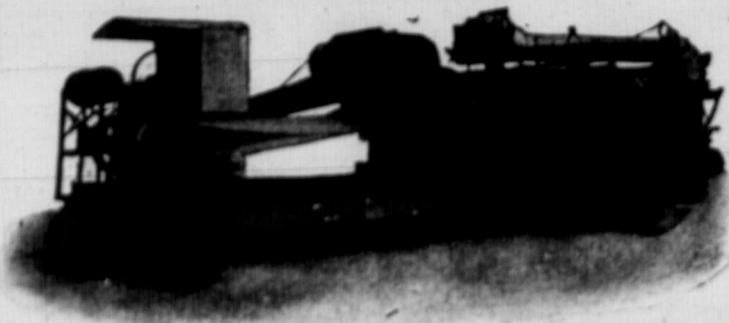
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 It is bristful of direct-from-the-manufacturer money-saving prices on the very things most needed on the farm. Remember, every article I sell is backed by a reliable guarantee. Mail the Coupon Today

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 OF CANADA, LIMITED  
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 Gentlemen—Please send me full particulars and prices on item marked with an X. Also I want to have your New 1916 Catalog free.

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## Cushman Combination Threshers



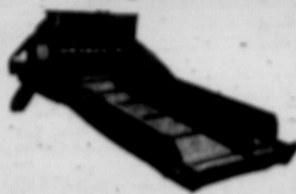
The Best Individual Outfits on the Market

**The Famous Light-Weight Cushman Engines, mounted  
on the same truck with Separator :**

No. 8 Lincoln, 8 h.p., Equipped with Straw Carrier and Hand Feed  
No. 15 Lincoln, 15 h.p., Equipped with Blower and Hand Feed  
No. 20 Lincoln, 20 h.p., Equipped with Blower and Self Feeder

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## On the Edge of the Barrens

By Stephen Allen Reynolds  
Continued from Last Week

"You would—would you?" Buck interrupted himself long enough to grunt these words as he kicked the elbow of the prostrate West.

The walrus-hide sole of the mukluk crashed against the "funny bone" of the whisky-runner. He uttered a groan and ceased his efforts to draw a weapon.

The coats of the crew piled in a heap, Buck then compelled his man to take away their sheath-knives. One by one, they were tossed into the water.

When he had seen the brooches pockets of the quartet turned wrong side out, the constable stooped and possessed himself of West's weapon. It was a short barreled .44, fully loaded.

Buck "broke" the revolver, showering the prostrate man with the cartridges, and then, with a left-handed swing, he sent the weapon flying after the others.

"Get up!" were the constable's next words, punctuated by a kick. The toe of the sealskin boot caught the whisky-runner just below his empty pistol-pocket. He got up.

"Get out!" were the final words of the king's man. He withdrew a pace, sheathed his pistol, and folded his arms. Whisky West, crestfallen, fell back and joined his men. They staggered away

manoeuvring; but soon he was enlightened.

Upon the sloop the form of a man was visible at the rail—a shape dim and indistinct in the haze of morning. The atmosphere was not as clear as it had been an hour before. The sun was not shining as brightly; a fog was stealing in from the open bay. The whale-boat was no longer moving.

And then a wisp of smoke appeared above its gunwale, a "high-power" missile hissed its brief message in Buck's ear, followed closely by the unmistakable report of a big-calibered rifle.

"I certainly overlooked a bet," muttered the constable, surprised, yet by no means disappointed.

He arose from the rock, and in spite of the fact that he knew his red coat offered a shining mark against the skyline, he paused deliberately to knock the ashes from his pipe, while scowling seaward and estimating the range.

"It'll be about four hundred—scant," he mused as he walked leisurely to fetch his carbine.

Another overhead whistle, followed by the resounding detonation, brought a grim smile to the constable's lips.

"Too high—too high!" he whispered



One of the results of war. Women in Great Britain learning how to do farm work.

to their boat, the wounded man lingering behind. Hastily, with many backward glances, as if fearing a shot in the back, they slid the whale-boat into the water and clambered aboard.

They were a cable's length away before Buck moved. Then he sauntered over to the pile of coats, and heaved them one by one onto the kelp-covered, shining rocks below.

"Hit anything?" asked Napier, smiling faintly as Buck glanced in at the door.

"Nothing much," was the vague reply.

"I only heard you fire once."

"I hate to waste good ammunition," observed Buck.

A rapid survey of the interior of the barrack told him that both occupants were ignorant of what had happened at the water's edge, a scant hundred yards away.

Quah was stuffing the plump teal with hardtack crumbs and bits of bacon, and the steel oven rested atop the kerosene stove. Napier lay quietly in his bunk, breathing easier, and seemingly in better spirits than he had been the night before.

Buck filled his pipe and strolled away. On a rocky knoll just above the barrack he seated himself to smoke, watch the departing whale-boat, and make plans for the forestalling of Whisky West.

Between three and four hundred yards away, about one-third of the distance covered between beach and sloop, the oar-blades of the whale boat ceased splashing, and the craft swung around broadside to the shore.

Buck watched the movement closely. He was at a loss to account for the

softly to himself as he gripped the walnut stock of his carbine.

Buck walked toward a flat-topped rock some forty yards distant from the barrack. Half way, something plucked at the skirt of his tunic and went whistling on over the Barrens; but the constable neither hastened his pace nor glanced downward at the bullet-torn garment.

He was a fatalist if there ever was one.

The rock gained, Buck emptied his pockets of cartridges. He took off the red coat; not that he weighed the danger of wearing it, but because he needed something to shield his elbows from the rough surface.

Then he lay down.

Another bullet whizzed past and buried itself in the tundra a mile behind the constable. Buck paid scant heed to it. He found a comfortable position for his elbows. He pressed the butt of the carbine home in the hollow of his shoulder and laid a bronzed cheek on the plump comb of the weapon.

Knowing that from his elevated position he was liable to overshoot, he left his sight fixed, and fired point blank at the midship figure in the whale-boat.

For a sighting shot it was good one. A tiny splash in the water near the shore-side of the boat told Buck's sharp eyes that he should aim at the heads of his targets.

Another puff of smoke from the boat was followed by a vicious phut! as the steel-jacketed bullet scored the rock and showered Buck with granite-dust and bits of moss.

The constable spat. Then he gripped once more the stock of his carbine, and pressed a cheek to the comb. His gray



eye flashed along from sight to sight until the head of the midship figure was brought into alignment.

He pressed the trigger and a .303 "soft point" went tearing out to sea. One of the figures in the whale-boat melted from view.

"One!" said Buck to himself.

Again he shot home the bolt of the carbine and lined up the blued barrel with a human target. He was about to press the trigger, his lips were framed to pronounce "Two!" when from somewhere behind him came a slight rustling sound.

Without taking the weapon from his shoulder Buck turned his head and saw Golah a dozen feet in his rear. She was clutching her fawnskin skirt with nervous fingers. Her face showed alarm, fear and surprise.

Never before had she seen shots fired in anger—Klaboonash trying to kill another.

Buck raised his arm and waved the girl away.

"Get back in the house, Golah," he called. "And don't say a word to the lad." The constable pressed a forefinger to his closed lips and waited to see his order obeyed.

Hesitating a moment, at a loss just what to do, the girl turned with pale cheeks and wide-opened eyes. She moved off slowly, reluctantly, while Bucked turned back to the grim work in hand.

Once more he covered a figure in the whale-boat, when from the turf ahead of him leaped up stones and soil and bits of jagged metal torn loose from the jacket of the ricocheting bullet.

The constable felt a stinging sensation above his eyes.

The warm blood trickled down from a deep scratch in his forehead. With the back of his hand he dashed the blood from his eyes and threw open the magazine cut-off.

Five times Buck fired, aiming at the centre of the group in the boat. The Barrens echoed to the shots, while two figures in the boat seemed to dissolve from view.

"Two! Three!" came grimly from the lips of the king's man as he crammed full his magazine.

No more shots came from the whale-boat. Two cars were thrust out. The eighteen-foot steering-car hit into the water, and the craft's prow wore sluggishly around until it headed for the steep, now almost invisible in the gathering fog.

Desperately the men toiled at their oars, urged on by the curses of the man at the steering-car.

"That'll be Whisky West in the stern," mused the constable.

He half raised his carbine; then lowered it.

"Damn'd if I'll shoot a man in the back—even him!" he muttered as he wiped his bloody face.

Pierced below the water-line in several places, the water-logged boat stole slowly away. But on the edge of the fog-blanket the cars ceased to move, and the boat remained motionless.

Buck's ears caught faint sounds—sounds as of orders roared out in the distance.

A minute passed by, during which buckets of water splashed overboard from the leaking boat. And then from out the fog appeared the outlines of a smaller boat manned by two men. It drew near the whale-boat, and the east wind wafted ashore the murmur of voices.

The constable watched, curious to learn what Whisky West hoped to accomplish.

Then came the answer: a ragged volley from the boats, now gunwale to gunwale. Four rifles spat out their metal messengers. Three of the missiles whined harmlessly far overhead; the other left a white scar on the flat face of the boulder at a point less than a foot below Buck's right elbow.

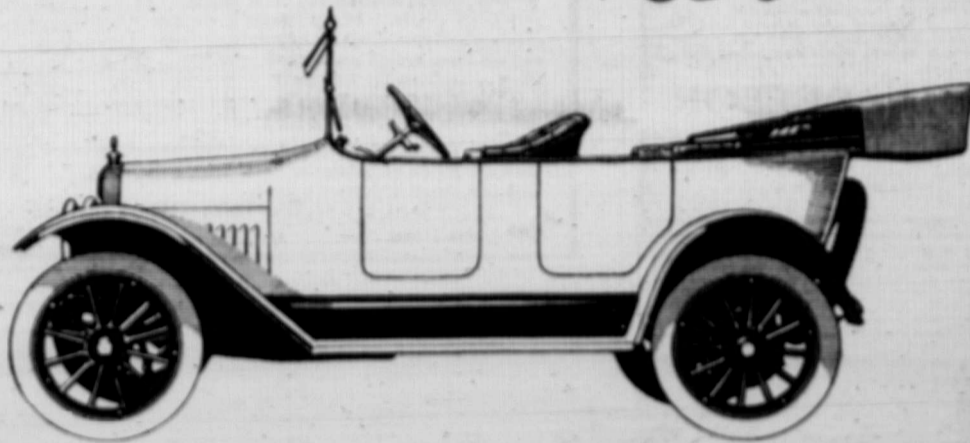
"So that's the game, is it?" thought Buck.

He snapped up the leaf of his rear-sight, and elevated the slide to the 800-yard mark. He was aiming carefully at the bulkiest figure in the boats when came a voice from close beside him:

"Why didn't you let me in on this?"

Buck stared at the speaker. It was Napier, stretched flat upon the tundra, less than three yards distant. Pyjama-clad, pale and almost breathless, the

# Maxwell \$850



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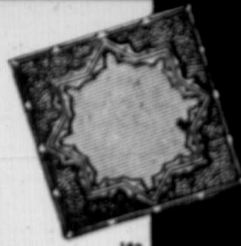
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sick man had managed to creep out from the barrack and secure his carbine. Buck opened his mouth to swear. He did swear; but the staccato roar of Napier's weapon drowned his words. The invalid was using "magazine fire."

Another salvo came from the distant boats, and angry hornets seemed to be winging their way past the ears of the two men on the knoll.

Walsh turned back to his work. He realized that in order to compel Napier to leave he would have to be carried bodily from the firing line. Covering once more the bulkiest form visible, Buck emptied his carbine.

A wisp of haze veiled the result of the shots. A brief silence ensued. Walsh turned to look at his comrade. Napier was refilling his magazine. He caught the glance of the other and grinned up at him.

"I think," said he, "that it's Section 235 of 'The Book' that reads: 'Objects dimly seen at evening, and in misty weather, appear more distant and larger than in reality.'"

Napier paused for breath; then he lowered the slide of his back-sight, and concluded: "We're shooting a little over."

"And there's another section in the Red Book that has to do with instant obedience to a command!" Buck roared back. "I order you into the hut!"

"Then you'll have to shove me in the 'Skookum House,'" was the sarcastic rejoinder. "It won't be the first—"

The vicious zip of a low-flying bullet cut short Napier's remarks. His breech-bolt snapped shut. His fore-finger slipped within the trigger-guard. Then he coolly began firing again.

"Damn the fog!" muttered Buck, as the vapor enveloped the two boats.

The rifle-fire from seaward died away. The boats melted from view. Buck drove two more bullets into the fog-zone, and then stood up. Napier, too, was trying to get up on his feet; but his movements were feeble and uncertain.

"We were—were—right to cease firing," he said as Buck grasped him at the armpits.

A quizzical expression swept over his haggard, unshaven face as he added: "Section 146, paragraph 4, says: 'Expenditure of ammunition should, as a rule, be—proportionate to—'"

An additional strain on Buck's arms told him why the junior constable had not finished the quotation. Napier had fainted.

The maniacal cry of a loon came up from the fog-shrouded waters below. The wind ceased. And now a mist arose from the Barrrens, and crept out to join the sea-fog. A mosquito, attracted possibly by the presence of blood, lit upon the constable's temple and gorged its fill.

With an inarticulate oath Walsh paused to crush the stinging insect. Then he gathered his comrade in his arms and strode toward the barrack, already indistinct in the gathering mist.

CHAPTER IV.  
The Trail to Lame Dog Lake

Napier rallied from his stupor to find Oulah and Buck bending over him.

"How many did we bowl over," he asked.

Buck shook his head. "I'm not going to count now, lad," he said. "But you had no business leaving your bed," he added.

The junior constable sipped his broth and eyed the roasted duck which Oulah had taken from the oven. The barrack was fragrant with the appetizing odor of the cooked fowl.

"I'd surely like to have a bit of that," said Napier. He waved a spoon toward the table where all was ready for Walsh.

"Damned if I don't believe you're getting better!" pronounced Buck.

He took the empty bowl and spoon from his comrade, pressed him gently back upon his pillow, and then looked after his own supper.

Outside the hut one could scarcely see a hundred yards. And as evening drew near, Oulah's skin tupek could no longer be seen from the doorway of the barrack. It promised to be a thick night indeed.

(To be continued next week)



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**THE HOLLIS RURAL CREDIT BILL**

When Rural Credit is receiving so much attention from thinking farmers thruout the West, the comment which follows from The Farmer, St. Paul, for June 3, on the "Hollis Rural Credit Bill" just passing thru the U.S. Congress, which has been designed to meet the demand for farm loans in the States, will be interesting.

It has been freely predicted for a year or more that Congress must eventually do something to satisfy the public clamor for better credit facilities for the farmer. Rural credit, in all its varied and complicated phases, has perhaps received more attention during the past few years than any other public question. This public agitation has apparently convinced Congress that the time is ripe for action, and in accordance therewith, after many months of profound study and research, the Hollis bill (S.P. 2986) is presented as the last word on the American rural credit question. The Hollis Bill has already passed the senate and is expected to pass the House, thus becoming law, after which time Congress can pass on to other great and pressing problems of the day.

After wrestling thru some seventy-eight pages of profound language, which constitutes the Hollis bill, we can only conclude that until Congress can draw up a simple, business-like bill, understandable by the layman, it will do well to saw wood on more important legislation and allow the rural credit question to simmer along until we all know more about it. So far as we can see, the Hollis bill is merely a sop to public opinion and will scarcely help the man who really needs better rural credit facilities. Let us see what the average reader can dig out of this wordy document known as S.P. 2986.

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"and pigs is pigs"—It matters not what breed they are, pure bred hogs for breeding stock...

The Grain Growers' Guide - Winnipeg

EXPORTS OF PURE BREDS

The North British Agricultural (Scotland) has the following paragraph...

"The number of pure bred cattle exported during the month of April was the largest since 1919...

Table with 3 columns: Period, Exported Value, Average. Rows for April 1914, 1915, and 1916.

The largest customer during the month was Argentina, to which country 253 head were sent...

BIG HORSE SALE

On Wednesday, July 5, 1916, at 12 o'clock, that is, the last day of the Calgary Exhibition...

LACOMBE BULL SALE

The most successful bull sale on record was held in Lacombe on May 31, under the auspices of the Alberta Cattle Breeders' Association...

The prize winners were as follows:—Herefords, Thomas Brand & son, Red Willow...

STOCK JUDGING CONTEST

The students of the three Alberta Provincial schools of Agriculture will each be represented by a team of three boys at Calgary Fair...

GREAT SHORTHORN SALE

On June 1 C. A. Saunders and sons, of Winifred, Iowa, sold forty-nine shorthorns at the grand average of \$1,018...

SALE AT EDGERTON

On Tuesday, July 4, a sale of 150 head of valuable farm stock and fat cattle will be held at Edgerton, Alta...



### Combination Threshing Outfits

Continued from Page 7

to provide granary room for it all at once, which was a big item. With the small outfit you can keep hauling out as fast as you like.—G. M. PHELPS.

#### Advantages and Disadvantages

I purchased last fall for my own use a 28-in. separator and 8 h.p. engine with trucks. The separator is hand fed and has straw carriers, but has grain spout, which will put grain in wagon box or granary. The engine is fully large enough for this separator. Last season was bad for threshing, the straw was always tough and a lot of straw in proportion to grain. The outfit was new to us and so we did not get the best out of it. We threshed an average of 400 bushels of wheat and 900 bushels of oats per day, using two stook teams, one pitcher in the field, a feeder, and man to look after the straw.

The straw carriers bothered us most as the slats kept continually coming off the belts. This was partly due to the carriers not being quite level. We tried rivetting the slats to the belt, but even these occasionally cut thru the belt. Counting cost of gasoline and wages for three extra men my threshing last fall cost me from 2 1/2c. to 3c. all round, not counting anything for interest or depreciation. I use the machine only for my own threshing, my main object in purchasing was to avoid getting in more weeds which cannot be avoided when employing a large custom outfit, and also that the men on the farm could get on with the fall work without having to go to all the neighbors to pay back work.

#### Can Get Clean Grain

Compared with the larger outfits the work is naturally slower, but greater care can be given to have grain well cleaned and also less grain will be lost in the straw. This was watched very closely last fall, and with the machine I never found at any time any loose grain going over with the straw.

The advantages, in my opinion, as compared with the larger outfits are:—1. Weed control, that is by threshing only on one's own farm no new varieties of weeds need be introduced. 2. Work can be commenced whenever grain is ready and fall plowing done even when only part of grain is threshed should weather turn wet. 3. At a pinch work can be done even with only three men, but of course not at full capacity. With about five men (two teams, feeder, pitcher and straw man), the machine can be kept running full in any ordinary crop, provided the haul is not too far. Threshing about 500 to 600 bushels of wheat at a setting would appear better than trying to do more, on account of handling straw and a further haul for the stook teams when threshing more than this without moving. When threshing into wagon boxes the machine can be moved at every 100 bushels or so, and very little difficulty with straw need be experienced. 4. The annual threshing bill will, in a year or so, depending on the amount threshed, soon pay for a small machine. 5. The engine can be used all year for small jobs, such as crushing grain, etc.; we use ours without dismounting it, having the crusher and machine in the same shed. 6. Very little time is lost moving from one setting to another and getting started again.

Disadvantages are as follows:—1. Labor. It will generally be difficult to get extra men to hire on for only ten days or two weeks' threshing, while the larger outfits can give from six to eight weeks continuous work. 2. Longer time actually threshing. If a farmer can rely on getting a big machine every season just when he wants it, he probably would not need a small outfit. 3. Some extra expense will be entailed in buildings, as it would not be economy to leave the outfit exposed. The life of the machine would be very short I imagine under such treatment. 4. There is, of course, the objection to handling straw and hand feeding. More expensive outfits have blower and feeder, but, in my opinion, the extra cost is out of all proportion to the advantages of these attachments provided the two



## Seek Power, Economy, Simplicity

It is a well-known fact that the yearly sales of Case threshing outfits exceeds that of the next three concerns combined. Surely this overwhelming evidence of Case leadership proves to you that this popularity is the result of actual performance.

#### Details Unnecessary

When any machine earns practically universal popularity, this very popularity is proof of merit.

In the threshing field, Case has won first place because we have been specializing in threshing and power machinery since 1842. Our experience—our efficient industrial organization—our resources—mean for you a maximum of value for money expended.

#### Which—Steam, Kerosene or Gasoline?

Case engines of the three types lead simply because they have proved by actual work that they are all we claim for them. The farmers themselves

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In the steam class, Case engines for years have been acknowledged the simplest, the most powerful, and therefore the most economical. Take our most recent advance—improvements in boiler construction. This proves that we still believe in steam power as well as in gas.

Case steam engines meet the boiler laws of all states and provinces. For steady power for threshing they are without equals.

Or if you want a gas tractor with your threshing machine, Case builds four sizes, 10-20, 12-25, 20-40 and 30-60.

If you are figuring on buying an outfit, buy Case. Better be safe than sorry. If you are having your work done, be sure that the thresherman has a Case outfit. You will be money ahead.

Our catalog tells why. Want a copy?



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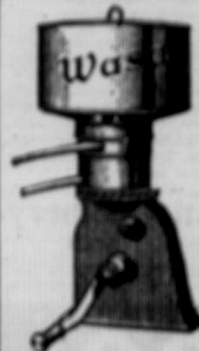
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## News

### THE BREDS

agriculturalist (Scott-paragraph, which the breeders. This pure bred cattle

red cattle export- April was the average of the on record for following is a com- three years: ared

ue. Average. 289 £ 77 12 9 262 106 7 1 238 123 1 6

during the month country 253 head ch. In the same ere dispatched to s. 10d., and in re sent at £111 onth secured 26 April, 1915, 12 try at £80 each, for the same 26 4s. 3d. In orted six head seven head were

The remainder out to countries These totaled of £72 11s. 5d. in se countries in £26 12s. 11d., £42 14s. 4d.

LE 1916, at 12 of the Calgary es will be sold towards, Cal- f these will be comprise 175 head of three- four-year olds, each of these d by imported shires, Fer- s. The dams s. All will be rms are cash us must have l, Calgary, is

ALE are on record y 31, under the breeders and Provin- ure. One were sold, 69 per head, rds brought rms \$158.64 er head. The urther with elling prices

s follows:— n, Red Wil- Taylor, La. A. Swil- son, N. W. hampton, A. Abbott, La

EST Alberta Pro- vills each be ed boys at stork judg- of Edmon- competition ng of the The cup success- the oppor- rs for ad- superior ed out at this year ar. The contribu- tion.

LE Sons of Northons This is recorded, is sale in siler 1915— \$1,004, the great ers were stales as e highest Conder- sion at Famous- entirely and five erage of only the ers Day

to head the will bring at erty of the one back in- shires, pure- number cattle by the sask.

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men necessary to handle this work are available.  
NORMAN ROSS,  
Indian Head, Sask.

**IN A BRUSH COUNTRY**

My separator has a 24-inch cylinder and 29-inch rear with bagger, but no straw carrier or blower. The power is supplied by a six h.p. gasoline engine, mounted on a half truck heavy wagon. The separator is also on its own trucks. I like this better than a combined outfit, because we thresh practically all the grain raised in nine townships and the roads are very bad in this brush and timbered part of the country. The engine and parts of the separator make a ton load for a team of oxen, and the separator weighs about fourteen or fifteen hundred. We use two teams of oxen, as we find them ideal for this work, as they go thru mud and rough roads much easier than horses and give less bother in several ways than horses. The machine is hand fed. In this locality we have lots of straw not fully ripened and as most of the settlers need all the straw for feed they cut it very close to the ground; which ties up most of the weeds and grass and makes very tough threshing for small power, especially during a wet fall like 1915. Thus what information I give here from my books for the last five years would not be what the machine could do on the prairie where the stubble is cut-high and the straw ripe and clean. It requires three teams to thresh 20 acres in one setting, each man pitching his own load, three men on the straw and one team and man to haul grain, a feeder and one man to tend engine, separator and bag the grain—in threshing oats it needs a man to tend bags alone, and eight men to stack thresh. The capacity of the machine is 25 to 35 bushels of wheat and 50 to 80 bushels of oats per hour. According to the makers our engine to develop six horse power should run 425 revolutions per minute, but to run the separator properly it only runs about 350 r.p.m. At this speed it gives sufficient power except in tough grain. Of course I could overcome that by logging the separator pulley. With a straw carrier, a tailing elevator and high bagger I would advise an eight-horse power engine, as it will not use as much gasoline as an overworked small engine, and will not give nearly so much trouble. My terms for threshing are \$1.15 per hour, including 15 minutes for unhitching and setting up and 15 minutes for taking down to move away, the farmer furnishing all the men but myself and a feeder. We have threshed in good oats 110 bushels an hour, but 820 bushels is one of our biggest ten-hour days and about 70 bushels of wheat an hour is the most we have made. I may say we have never lost five minutes in the five years we have threshed.

**Points to be Considered**

A farmer's first consideration will always be to save all his grain with the least possible expense. The help required to keep a small outfit running to its capacity will depend largely on the size of the machinery. This can be easily judged once the proper size is decided on. It may be presumed that a small outfit can be expected to thresh from 600 to 1,000 bushels of wheat per day, other grains in proportionate quantities. It will remain an open question as to whether an outfit with less capacity would be a financially good investment for the average farmer. Doubtless numerous farmers will remember the horse-power machinery of days gone by. How one man compared with another could feed more grain to a machine and use considerably less power. A small individual farmer's outfit will be successful or not to a large extent according to the methods of the hand-feeder himself. The secret of successful hand feeding is the proper spreading and tossing of the sheaf. This has a great deal to do with the power necessary to operate a separator successfully. No matter how the machinery may be equipped otherwise, it is for the individual farmer to decide as to the most profitable method or process to employ for the saving of his crop. Will a small outfit of his own result

**THICK, SWOLLEN GLANDS** that make a horse Wheeze, Roar, have Thick Wind or Choke-downs, can be reduced with

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BECAUSE THE SKIM-MILK IS poorest without a separator in hot weather and often more harmful than helpful to calves.

BECAUSE TIME IS OF GREAT value on the farm at this season and the time and labor saving of the good separator counts for most.

BECAUSE THE WORK OF AN improved De Laval Cream Separator is as perfect and its product as superior with one kind of weather as with another.

### 2nd If you have a very old De Laval or an inferior separator of any kind—

BECAUSE THE LOSSES OF the poor separator from incomplete skimming and the tainted product of the hard-to-clean and insanitary separator are greatest at this season.

more easily handled and cared for than any other, and you cannot afford to waste time these busy days "tussing" with a machine that ought to have been thrown on the junk pile long ago.

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### SELF-STEERING FEATURE

The binder is purposely thrown out of square in this illustration in order to show clearly the steering action of the tongue truck wheels.

When the outer end of a binder platform starts to hang back, it pulls the tongue truck toward the grain.

Any movement of this tongue truck toward the grain turns the truck wheels in the opposite direction and at so great an angle that they automatically steer the binder back to its proper square cutting position, with the horses moving steadily straight ahead.

The binder cuts a full 8-foot swath with less work for both driver and horses.



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If your Deering or McCormick binder is in good condition when it goes into the field the chances are all in favor of its finishing the job without trouble. Should you have an accident, both repairs and extra help are within calling distance. The farmer who uses a Deering or McCormick binder is safe as can be. He can depend upon it to harvest his crop with the least possible work and trouble.

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in a dividend paying investment, allowing him to thresh when he is ready and as long as he pleases, or is he ahead of the game by employing the thrasher who makes it his business to come and go without a murmur, doing the work in first-class shape and in the shortest time possible, thereby allowing the farmer to devote his time to fall-tilling of the soil instead of, perhaps (one never can tell), requiring the greater part of the late fall season to take care of his crop?  
**ALBERTA FARMER.**

### SATISFACTION IN ALBERTA

J. W. Farley, my brother-in-law, and myself bought a small thrasher last fall and a 10 1/2 h.p. engine. We cannot speak too well of it. We had some trouble, (1) first no power in our engine, (2) then of sieves loading, (3) then straw would bridge over blower, and we had to use fork. No. 1 we overcame by getting book of instruction from the manufacturers and following it. No. 2 we mastered by making a new chaffer or sieve and increasing the speed on the fans to more than double. No. 3 we fixed fairly well by taking off four inches of straw deck and bridging the corner in blower above fan with sheet iron. But once in a while we are bothered still by straw bridging over in blower spout. I feel that the small outfit is the only rig. I kept strict account of costs and will furnish you them. If you compare what we threshed by current prices for threshing in this district 11c. and 8c. you will see where we get off at.

### Some Mistakes

We made mistakes: one was we only had one man each whereas we should have had two each and put the second man on the plow and not had five or six horses laying off. Also we might have had him hauling grain to make room and not build new bins which we threshed into.

I honestly believe by comparing crops of my neighbors that they had equal with ours, but we threshed quite seven bushels per acre more and in some we even beat that I think.

Our mill is not perfect, but none can beat it as yet. It does not need a big crew, it is very low in price, and it is well made in every detail, and will do the work that the manufacturers claim for it. It will do more with the few little changes we made done by the firm themselves.

### Cost Last Season

Engine \$315, draft charges 80c., freight \$31.10	\$346.90
Separator, \$606.35, interest \$5	
first note, interest on second note \$10.95	622.30
Sundries—Lumber for rack, belt-dressing, forks, shovels.	23.50
Wages and meals, A. P. Rose.	357.20
Wages and meals, J. W. Farley	459.82
Gas used by Rose	45.00
Gas used by Farley	58.76

\$1,913.48

The above includes every known cost for outfit, horses, men, keep and wages, also for our two selves. The grain threshed for Farley took 23 1/2 days. The amount was 5,800 bushels wheat, oats 200 bushels. We lost time in starting, both of us being "green" at running either engine or separator, but both were used to working in lumber. The grain threshed for Rose took 18 days, 5,415 bushels wheat, oats 2,400 bushels. Freight charges on separator are included in the \$606.35; freight was \$144.  
**A. P. ROSE,**  
Sundial, Alta.

### PATRIOTIC SALE

A Patriotic sale in aid of the returned soldiers of the Austin District, under the auspices of Admiral Wemyss Chapter I.O.O.F. and the Home Economic Society, was held in Austin on Friday, June 9, when the sum of \$510 was realized.

There is little fear of cholera if pigs are kept clean, fed clean food and protected from infected animals.

Save the breeding pigs from the sows that have large litters. Do not send a pig to market until he is fit. A hog must be grain fed to make good meat.



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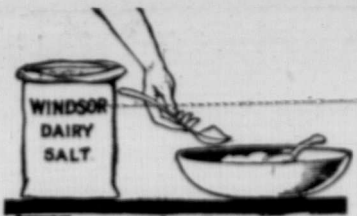
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# Farm Women's Clubs

**NOTE**—Any woman in Saskatchewan who feels that she would like to have a Woman's Section of the Grain Growers' Association in her district, should communicate with the provincial secretary, Miss Erma Stocking, Delisle, Sask.  
 Any Alberta woman who would like a Woman's Section of the United Farmers in her district should write to Mrs. E. M. Barrett, Mirror, Alta., who is the women's provincial secretary for Alberta.

## STUDYING RURAL CITIZENSHIP

Dear Mrs. Barrett:—A women's section of the United Farmers of Alberta has recently been organized here. We have a membership of six, and several more expect to join us at the June meeting, which will be held at the home of our president, Mrs. Thos. Lineham. Our vice-president is Mrs. Thos. Blackburn.

We meet on the third Wednesday of every month. The subject for discussion at the next meeting is "Hints on How to Lessen Housework," and in the meantime we are sending for literature on "Studies in Rural Citizenship."

As I am a subscriber of The Grain Growers' Guide I would be pleased to see our report in print.—Yours respectfully,

(MRS.) RAY LAUGHREY,  
 Sec. Treas.

## NEW DILKE ASSOCIATION

A new association has come into existence at Dilke. Mrs. Osbourne, their president, writes that they were organized with the help of Mrs. Shepherd, one of the provincial directors. Her address proved of deep interest and the members were happy to have the opportunity of hearing her. Ten women joined the women's section of the Dilke Local, and have planned to meet twice a month.

## PICNIC AND TAG-DAY

A picnic and tag-day is the happy combination thought of by the Chatham W.G.G.A. for the purpose of raising funds in aid of the Red Cross Society.

The June meeting of the club was at the home of Mrs. Tompkins. Two good papers were given, one by a nurse on "Health and Nursing," the other by a member interested in poultry raising, who spoke on that topic. A delightful lunch was served by the hostess and her daughter, each member giving ten cents to help fill the treasury.

## LABOR SAVING

(Paper read before Keeler W.G.G.A., June 1, 1916.)

When I was asked to write a paper for this association, I did not know exactly how to take it—seriously or as a joke. I decided, however, to take it seriously and let you take it as a joke.

The world may or may not be growing better, but people are certainly growing more sensible, I am sure, and everything points toward "labor saving." The well-to-do, with plenty of competent help, are as keen to save labor as we here, who are handicapped by no help or very indifferent help, to put it very mildly. I visited at a place this winter where help was plenty and they served paper napkins with the fruit for breakfast. It not only saved washing but kept napkins free from fruit stains; one of the things, as you know, that we housekeepers have to contend with.

## The Dumb Waiter

The greatest labor saver I have is the dumb waiter. It saves no end of steps. Then the spring and pulley on my trap-door leading to the cellar is another labor saver. It is really a weight and pulley so that the door is almost on a balance; it lifts with ease and remains in any position without propping up. Then, of course, we all know the labor saved by the vacuum sweeper and the dustless dust cloth. Any dust cloth can be made dustless by wetting the cloth in water, then oil, then dry in the open air. If one would plan their kitchen with saving steps in view they would have salt, pepper, tea, coffee, etc., etc., at hand with no great effort to reach them; cooking utensils the same. I have on my kitchen table two empty coffee cans; one for cooking spoons and one for knives; no effort to drop them in when drying, and right there for use the next time.

Another time-saver is when making pie crust. Mix flour, lard and salt enough for several pies and keep in a

cool place. To make a pie on short notice in this way isn't the dread it would be if one had to start at the very foundation. I would not like to keep house without my bread mixer. I always stir cookies up overnight; keep the dough in a cool place. I stir them up when getting supper, then in the morning work into cookies. In this way there is not so much danger of getting in too much flour. When I have anything to heat in the shape of biscuits, rolls or doughnuts I put them in a paper bag in the oven and they do not crust over.

## Do Not Dry Dishes

I took a short course of domestic science in Iowa two years ago, and since I have not dried my dishes; only when I have company that insists on drying them. I scald in very hot water and drain on a cloth in a pan. It is certainly hygienic, as I use very hot water, and saves many arm-aching moves. I visited at a home where they had a "Maid's Chariot," a board with casters, cushioned and long enough to hold soap and brush. I haven't had one made yet, but think I will. It looked very easy for the knees when scrubbing.

Whenever I buy anything for the house or for personal wear I think "ironing" and avoid things hard to iron. I wear everything crepe that I possibly can and use small bath towels for the hands and every day use. I only iron the absolute necessities and use a gasoline iron which saves fuel and enables one to keep cool while ironing. The men in this country have every device possible in the way of machinery and labor savers. Why not the women? It certainly is a mechanical age. We all have the washing machine, and a fortunate few small gas engines to operate them. I haven't one yet, but think them fine, and every large family with big washings should have one. They will prolong the lives of the women and save backs for a better cause.

There are two things I have not found easy ways to do. One is cleaning the range and blacking it, and the other is scrubbing the floor. If one could only stand the floor up-side ways, it would greatly improve the situation. Probably the "maid's chariot" referred to above is the next best solution. In doing all of my work and in stooping over especially, I try to use my physical culture training and stoop easily, making as the children say a "game" of it.

## Train Every Girl

It is easier for some to keep house than others, but to be trained for it makes it much easier for all, and every girl should have a very thorough training. Business men require trained help. Farmers want only experienced help, which means or should mean the same thing. It is hard to imagine any business or profession where the difference in results between the efforts of the trained and competent worker and those of the untrained and inefficient are any greater than in housekeeping and cooking. Upon properly cooked food and properly balanced meals, together with systematic direction of effort, hangs the whole health and happiness of the home. I come from a long line of New England housekeepers, and was taught religiously in my youth to make rag carpets, soft soap, spin and knit. I have not had to use any of those great accomplishments for years until this winter, and then only to knit. It is now the fashion (and a good one) to do as little as possible, and do it the easy way. The old way, do all you can days and sit up nights to finish the task. I think people eat more sensibly than they used to. Less heavy food and more variety. In everything but clothes I think we have grown more sensible, and it certainly takes less cloth for clothes now than of old.

The old maxim, "Let your head save your legs" is as sound today as it ever was.

FRANCES M. RICHARDSON.

# MAGIC BAKING POWDER



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# Young Canada Club

By DIXIE PATTON

## A HOLIDAY GAME

Ball Chase will be found to be a good game to while away a tedious afternoon during the holiday season—if there is such a thing.

A row of caps is set along a wall or fence or a series of holes dug in the ground. At a distance of ten or twenty feet from these the players stand, and one selected as thrower throws a ball into one of the caps or holes. If he succeeds in his attempt the person whose cap is selected runs away as fast as he can and all the others after him. If they tag him he has to come back and take the place of the thrower, but if he gets back to his cap before they touch him he is free and the original thrower has to go on and throw the ball into another cap.

It is a good thing to play this game where there is room for considerable dodging around and behind obstacles of different kinds.

DIXIE PATTON.

## WHAT I THINK OF WAR

I think war is a very bad thing, because the men go to fight and are shot in many places. They don't know when or where they are going to be shot. Some of them come back not able to do anything and some don't come back at all.

The women and children are treated very badly, too, and have no place to go for protection. In this great European war they have been treated worse than before.

I think it is almost as bad for the horses as it is for the men. They do not know what they are going for. The men can read the papers and imagine what it is like. Then if they want to, they can go and enlist.

In the wars all the big buildings are destroyed. Not only the big ones but all the huts and common houses as well. Some of the big ships are sunk and some are burned. The men and women cannot get enough food. Some people starve. The soldiers are taken to prison and do not get nice food.

The war lasts a long time and many places are destroyed.

OLIVE SPEER,  
Springfield, Man.

## WAR HAPPENINGS

When war is declared many people enlist. They then go away and train for a while. They are divided into battalions. When they become soldiers they go to the country where the fighting is going to be. Trenches have to be dug so the soldiers can hide in them, if it is a very wild battle. Sometimes the soldiers are in the trenches for a week at a time, having only a very little to eat each day. Sometimes they are very thirsty and cannot get a drink. If they are wounded they have to wait a long time in the battlefield before they are taken to the hospitals. Then if there are very many wounded coming in at once some of them have to suffer a long time because the nurses are so busy they haven't time to attend to all at once.

Then the sailors have to fight on the sea. Here they are in very great danger. Some of them have to go under the water in submarines to sink the enemy's ships. The others have to stay on board to destroy the enemy. They never know what minute their ship will sink and they themselves drown.

The people at home suffer a great deal. If the enemy burnt their property they are left without anything. Most of them die of starvation. If many people are shot at war a man comes and forces people to go. Some of them don't want to go, because they have to leave their friends. It isn't very nice to have people killing everything, but sometimes it can't be helped. People are always glad when war is over.

META L. DICKSON;  
Age 12 years. Antler, Sask.

## WHAT I THINK OF WAR

War is fighting and bloodshed, and so should be avoided. It divides family ties and causes broken hearts. When a husband or father or brother joins the colors he is doing a good thing for coun-

try, but his family has to feel sorry all the while he is gone. When he comes back he is probably crippled and so is helpless.

In countries like Canada and Great Britain they have a very good system. They give help to the family left behind.

War causes men of one nation to hate the men of another, but it serves to bind in closer union the men of the same nation.

War means a killing or murdering of helpless women and children, a destruction of homes and property, and so I think it would be much better if we had peace on earth and goodwill toward all men.

VERA C. WENDT,  
Age 13 years. Edbery, Alta.

## WAR IS A SET-BACK

I think war is like some large bird of prey, living at the cost of something else. I will give the following reasons for thinking so. War seems to ruin everything to a certain extent. When war is going on in a country, trenches and dug-outs are made all over the land. The ground is also torn up by large shells. Now this brings the subsoil to the top, and thus renders the land absolutely useless for agricultural purposes. It will take many years to restore to this land the proper elements, so that grain and fruits may be grown on it.

In wartime a great number of the population are killed, and either very old men or very young boys are left. Thus many factories are shut down for want of men to run them.

Trade and commerce are also checked, as ships carrying goods are likely to be torpedoed by the enemy. Also in naval battles many ships are destroyed, thus weakening the navies.

When war is going on the people haven't much time to be given up to educational and religious matters, and many of the poorer people grow up uneducated.

Much money is needed to carry on a war, and to get this money heavy taxes have to be levied. Now, people who cannot pay these taxes are forced to become beggars, and some even become robbers. After a war there is mostly always a great debt to be paid, and until this is paid the country is unable to make further progress.

After a war there is a season of immigration, the immigrants are of all classes, and they mingle with the inhabitants of the country. War often makes us feel a growing hatred between us and the people whom we are fighting against.

For the reasons I have given I think war is a great disadvantage to a country. I think it is a set-back in every respect.

M. E. JOY YOUNG,  
Age 14 years. Carlyle, Sask.

## MY OPINION OF WAR

I do not think that war is at all necessary unless for a good cause. Of course some countries make a great deal of money out of it, but it cannot be called good, as it causes so much loss of life and destruction. Men go to fight for their country and think it a splendid thing to give up their life for it, but it is not a proper thing to do unless they are fighting for a good cause.

Most of the wars that have been waged thru envy or hate, and therefore should not have been, but in this war I think England is fighting for a good cause—Belgium's neutrality.

KATHLEEN SUTER,  
Age 12. Box 12, Juniata, Sask.

## ABOUT WAR

I am a new member of this club, and I am going to write what I think about war. I think war is bad and there should not be any, because there are so many lives lost and crippled, and in some families there is starvation. This is what I think about war.

AROLDH ULMER,  
Age 12. Castor, Alta.



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THE TWINE PROBLEM

Editor, Guide:—I must say that I am pleased that Mr. Musselman has taken up the twine proposition in the manner that he has in his letter of May 10, as it appears in The Guide, and I would say that if there is any person interested who has not read it, they should look it up. I would further say that we are today sending out of our country some seven or eight million dollars annually to a foreign country, and we are wholly dependent on a foreign country for this most important necessity, just about as necessary to our welfare as is our bread, and we are wholly dependent on difficulties that may arise in any foreign country that no man can foresee. Surely we have abundance of evidence of that fact of late.

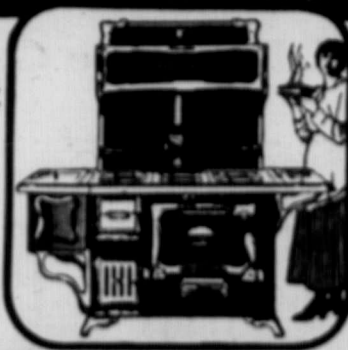
There is just one point in Mr. Musselman's letter where in my opinion he has not been in possession of all the facts in regard to flax twine. He is perfectly correct in his statement that a million dollars or more has been spent in trying to produce a flax twine that would give satisfaction, but to no avail. Mice, crickets and grasshoppers raised Cain with it, but not to any greater extent than that of sisal or Manila if it was left in its natural state. Now the writer made extensive investigations about three years ago, and my information was to this effect from the men who spent much of the money referred to, that they could not make a flax cord that would pass thru the intricate knott-er that is in use on all binders, and in order to help the cord pass thru the knott-er it was treated by an oil or greasy process to make it more flexible, and then it was learned the treatment attracted mice, crickets and grasshoppers, and certainly played havoc with the twine.

About this time The Grain Growers' Grain Company secured an option on what is called the Ware Metallic Clamp Fastener, which can be placed on every binder by removing the present knott-er. In the harvest of 1913 a thorough test was made of this device in the field at Headingly, and all the directors of the company of that time were present, and after spending a couple of days we came to the conclusion that the fastener was all that was claimed for it, but the fact remained that we were not sure as to the mice problem. Well, in 1913, I personally made arrangements with Mr. Burgey, of Rosser, who was then secretary of the Foster Grain Growers' Association, and who is still filling the same position, to have a dozen or more sheaves bound with the flax twine and also a number of sheaves bound with manilla twine, placed in a safe enclosure from livestock of any kind close to his buildings. This was carried out to our satisfaction, and in the following June, when myself and several others examined the sheaves, we found that not one bond of the flax twine had been touched by anything, but two of the manilla sheaves had been cut by something, but of course we do not know what did it. We found mice nests in several of the sheaves and winter roads thru the grass in abundance surrounding those sheaves.

Then in 1914 we again made a field test, and to our entire satisfaction, and for the first time to my knowledge there was a large number of crickets present where we were working. There were present Mr. Chipman, editor of The Guide, and Mr. Ackerson, of the C.P.R., and I drew their attention to the fact that you could find the crickets on most-ly everything in sight but we could not find one on the sacks holding the flax twine or the bundles of twine that was exposed, and we watched the situation for some moments, and we found that they would avoid the flax twine. The explanation is that the flax twine in the manufacturing process went thru a treatment of tar, and the same has proved to be a complete success insofar as our American friends are concerned. The people on the American side concerned in this clamp proposition made much more extensive experiments in a similar way, and found just the same results, so we have made those tests and are thoroughly satisfied that there is no trouble from that standpoint. The important point is that we are not making further progress along this line. Well, we have been waiting on the American

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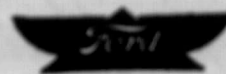
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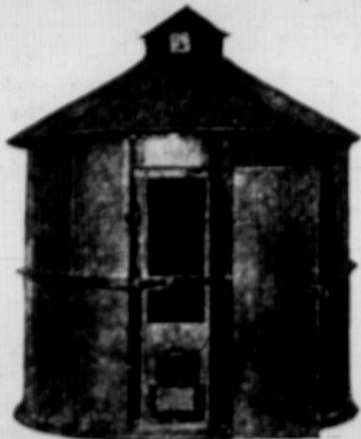
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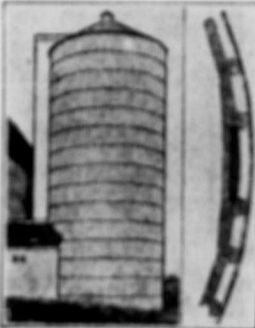
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parties interested to produce a twine at a reasonable cost, but there has been trouble in their organization, and as I understand it is at a standstill for some time, and I am unable to say what the next step will be or should be.

The twine that the experiments have been made with was manufactured from the ordinary threshed flax straw, which is badly cut up with the present method of threshing flax, and the twine is coarse and there is not sufficient length to the pound to effect any saving on the present prices.

Now to my mind there is just one step more to make in order to make flax twine a perfect success, and that is in the threshing, and I do not believe it is a difficult matter. It is all hinged in the getting of a machine that will separate the flax from the straw and not break the fibre, at least to a very limited extent, and I believe that a machine can be constructed on the principle of a continued set of rollers that will make the separation and not destroy the fibre. It is a contract for some able mechanic to construct such a machine.

Then comes the question, who is going to spend the money necessary to carry out the experiments that will be necessary to convince us whether it is possible or that it is a feasible proposition. I claim, and so will many others with me, that all that is necessary is to find a machine that will separate the flax from the straw without seriously destroying the straw, and I would suggest that the organized farmers of the West should make an appeal to the Dominion government to devote a certain amount of money to carry on tests similar to what I have outlined for the coming year. I am absolutely certain that we are sending up in smoke the material at our doors that will produce a cord that will tie all the crop in the Dominion of Canada at a lesser price than it is now costing us. Surely this important matter should get to the ears of our protectors in the Dominion house, and I have no doubt if properly placed before them good results will follow.

I have much more to say on this matter, but this letter is already too lengthy.  
JOHN KENNEDY,  
Winnipeg.

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The Ross Rifle is again on trial. It has not only been on active service and shot at the Huns, but it has been shot at by parliamentary speakers and committees for so long that its merits and demerits threaten to become a permanent factor in Canadian political life. Sir Charles Ross, the inventor of the rifle which bears his name, is a Scottish baronet with an inventive and mechanical turn of mind who prefers pottering with machinery to living in his castles in Rosshire. Sir Charles, who is the ninth baronet, was born in Scotland in 1872, and was educated in Cambridge, where he rowed in the college eight. In the Boer war he raised and commanded a corps of Guides, but since then he has spent most of his time in Quebec where he superintends the operations of his factory. Sir Charles owns some 356,000 acres in Scotland.

### Making The Grain Growers' Guide

Continued from Page 9

per year, the actual cost of preparing and mailing the fifty-two issues to each subscriber is over \$3.00 per year. The difference must be made up from advertisements. This simple fact will give the readers an idea of the importance which advertisements hold in every publication.

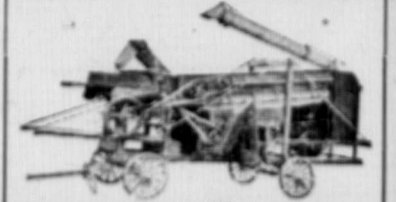
Lastly there is the mechanical department. After the editorial and advertising departments have done their work the mechanical department then produces the paper ready for mailing, and the circulation department sells and distributes it to the farmers all over the country.

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Is made of heavy type sheet steel wire and galvanized. With interlocking sections locked together with our Patent Lock. They can't slip. Pearless fence is guaranteed to be rust proof and much proof. Write for mailing. Agents wanted in open territory.  
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### Saskatchewan Homemakers' Convention

Continued from Page 4

restors and descendants, the ancestors being the famous pipes of Pau and the descendants the concert flute, which moved in quite aristocratic company.

#### Medical Aid

Mrs. Cartridge, of Grand Coulee, filled the position of chairman at the Wednesday afternoon session with a tact and ability that was the envy of all her sister Homemakers. The first of her pleasant duties was to introduce Mrs. John McNaughtan, president of the Women's Section of the Saskatchewan Grain Growers' Association, who had come to address the convention on the subject of medical aid in rural districts.

Mrs. McNaughtan came before her audience armed with facts and figures which told their own tale of the cost of maternity in rural districts. The infant mortality rate was, she said, 74.81, and one woman in every three in the province of Saskatchewan was materially injured in childbirth. Thru the influence of the Homemakers' clubs a grant of \$25 for needy mothers had been secured from the government, with the stipulation that at least \$15 of this sum should be spent to defray the expense of a doctor's attendance. This was a step in the right direction, but it did not go far enough. The speaker went on to advocate inter-municipal hospitals, municipal nurses and asked the convention to think over the matter of establishing some system of midwifery such as existed in the old country.

#### First Ruthenian Club

The need of neighborliness on the part of the new neighbor, in this instance the Ruthenian settlers, was set forth with a quaint charm by Mrs. Kirstake, of Theodore. To broaden the audience's understanding of her people Mrs. Kirstake began with a little sketch of the history of the Ruthenian or, more correct, the Ukrainian race. After a glimpse at their early freedom and happiness, she touched briefly, but feelingly, upon the misery which followed their betrayal by Russia and their bondage to that country, when to speak or write their own tongue was an offence against the law, when the men were sold into a partial slavery and the women were often made to be worse than slaves to their Russian masters. Whipped and scourged and beaten, education had died out among the peasant class, but their remained a quite large class of educated Ukrainians. The majority of those who had come to Canada belonged to the uneducated, many of them so ignorant that they scarcely knew themselves the race to which they belong, calling themselves Buckowinians, Austrians, or Galicians after the province or country from which they came.

The Homemakers' club that had been organized among her people in the district near Theodore had been largely due to the interest shown in her people by Dr. and Mrs. Atkins, of Theodore. At first they had merely hoped to interest some of the younger women in the district, but they had found some of the older women equally as enthusiastic. They had discussed at their meetings care of the sick, management of the children, health and gardening. Frequently they had read an article from an English magazine which had been translated into their own language. Mrs. Kirstake summed up the advantages of the club in the statement that to make people better socially, morally and physically is to make them better citizens.

#### What Manitoba is Doing

Mrs. Dayton, of Virden, Man., brought news of the things that are being accomplished by the Home Economics Society in the sister province. From their own branch of the organization the movement for medical inspection of schools had spread to other towns and over the province until Manitoba had been divided into five districts with a nurse in charge of each. Rest rooms were being very generally established and were proving not only pleasurable to the country women but profitable to the town. Unofficially,

too, there existed among the prominent women of this society a sort of a helping hand organization for girls who had made the great mistake in life.

That books were indeed "a finer world within the world" was made so tangible and clear to the convention by Dr. Wilson, of Saskatchewan University, in an address on "Reading in the Home," that it will be surprising if bookshelves don't immediately begin to grow in numbers in the homes of those who listened to his inspiring lecture. The greater and more spiritual world to which books open the door was made very real, the speaker finding in this richer and fuller life the interpretation of such scriptural passages as, "I came that they might not only have life but have it more abundantly." A list of books of great cultural value has been prepared and will be printed in The Guide of a later date.

#### The Slavic Mother

The question contained in the title of the address delivered by Mr. Anderson, inspector of schools, from Yorkton, "What has Saskatchewan done for her Slavic mothers?" was answered with the statement that she has done very little, tho in his own inspectorial district of Yorkton some small beginnings had been made. The town of Yorkton had appointed one of the ablest teachers from the regular staff to teach the newcomers to our country in night school. This effort had met with the utmost sympathy from those whom it was designed to help, numbering among its attendants people of all ages. During its operation three hundred students had received a working knowledge of English. Field days are being held in connection with a number of the foreign schools, and the improvement in the use of the English language and the dress of the children is very remarkable from year to year. Mr. Anderson rated severely the neglect of the ordinary country school, where the scrubbing is done once or at most twice a year, where there is dirt around the door knobs and dust around the baseboards. The Ruthenian districts are much better in this respect, scrubbing and cleaning their schools twice a month. A new thought was introduced by the speaker in the suggestion that it was the English districts which should have the foreign teachers and the foreign districts should have the English teachers, in order that we might exchange our point of view. Nor was this as impracticable as one might think, since a great many foreign students were making a splendid record in scholarships and were doing excellent work as teachers. The inter-marriage of these races was another eventuality which had to be faced. As a means to the better understanding of these Slavic people he strongly recommended the reading of a book called "Our Slavic Fellow-Citizens," by Emily Balch.

#### Relation of Politics to Life

Politics, the supposedly evil and malign side of human life, was boldly introduced into the deliberations of the convention by Mrs. A. V. Thomas, who argued that politics touched every side of our lives, and that the sordidness of them was not a necessary attribute of politics, even of the party type, but a reproach to our own sense of honor and our ideals of citizenship. She pictured the woman of the past as resembling the child who runs out to the stable and asks daddy to take it for a ride, and who is set upon the horse and allowed to go around the yard with daddy's hand on the rein. But the woman of today, having accomplished her political emancipation, has struck the hand from the bridle and set forth upon the high road. The new power combined with organization will enable women to accomplish almost anything they undertake, and the striving for things will develop and bring out all the latent powers in them. The three things which the speaker hoped those present would do something very definite about were the teaching of sex hygiene to children, medical aid for rural districts and the study of international relations.

In a paper entitled "Our home beautiful," Mrs. Arthur, of Bradwell, pictured the ideal home as one of plain, soft toned walls, unobtrusive woodwork, and furniture that is at once good

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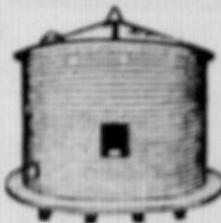
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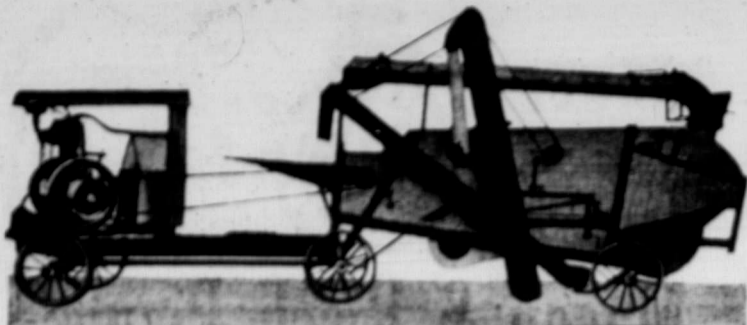
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This Bissell Disk Harrow is built especially to meet and cope with Western soil conditions. The

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Address your letter to the Circulation Department  
GRAIN GROWERS' GUIDE WINNIPEG, MAN.

to look upon and comfortable to use, with good prints of famous paintings upon the walls.

#### Insufficient Care for Children

"Farm conditions in this country are not such as will encourage the children to follow in our footsteps," was the conclusion of Mrs. S. V. Haight, vice-president of the Women's Section of the Saskatchewan Grain Growers' Association. Before country life could be made attractive we must have better rural schools and ones which trained the children to become farmers, both boys and girls. To show how little attention is now given to bettering conditions for children as compared with that expended upon material improvement she quoted some figures from the United States, which is far more advanced than ourselves in its care for children. The federal government at Washington spends annually for animal husbandry \$3,000,000, bureau of plant life, \$2,882,875, hog cholera, \$600,000, bureau of child welfare \$165,000, while

of medical inspection and was bombarded with questions at the conclusion of his very able address. He said that about 40 to 45 per cent. of the men who had volunteered to enlist were rejected as physically unfit, and a great deal of this physical incapacity could have been prevented if taken in hand at an early enough date. The average school was, he said, badly lighted; badly ventilated and badly heated and the sanitary arrangements were poor. As a result the depressing influence of the ordinary school upon the average child is greater than is generally realized. Children are also influenced by other people's habits of life. It is not to be expected that a child will lead a healthful life in unsanitary surroundings. By implication he suggested the substitution of physical culture and the study of the laws of health, for the old dry-as-dust physiology which concerned itself chiefly with the alimentary canal. Dr. Thompson looked forward to the day, and believed it not far distant, when a provincial school nurse would be ap-



PRESIDENT WOODROW WILSON AND HIS CABINET

Back row, left to right: President Wilson, William G. McAdoo, Secretary of the Treasury, Thomas W. Cragg, Attorney General, Joseph Daniels, Secretary of the Navy, David F. Houston, Secretary of Agriculture, and William E. Wilson, Secretary of Labor. Front row, left to right: Robert Lansing, Secretary of State, Newton D. Baker, Secretary of War, Albert S. Burdick, Postmaster General, Franklin K. Lane, Secretary of the Interior, and William C. Redfield, Secretary of Commerce.

our own Dominion government has the most elaborate bulletins concerning stock and grain, but not a single bulletin to distribute on food values or care of children.

#### School Medical Inspection

Dr. Thompson, chairman of committee for the revision of study and of medical inspection in schools, stirred up the greatest enthusiasm on the question

pointed to organize a system of school nurses over the whole province.

Dr. Snell, of the Saskatoon Normal school, defined the use of education as a means to enable a person to earn a livelihood, to be happy and to lead a worthy life while doing so, and to prepare him to make a proper use of his leisure time. He said a test had been made in the middle western states of the earning power resulting from edu-



education in rural communities, and it was found that men with very little education had an earning capacity of \$680, men who had gone thru the public school of \$742, thru the high school of \$1,268, and those who had taken a college training of \$1,720 per year.

A pleasant word of goodfellowship and an appeal to the Homemakers to lend their sympathy to the university in its efforts to establish a tradition for Saskatchewan of a wider appreciation and a broader knowledge of life was the contribution of S. E. Greenway, superintendent of the extension department of the university.

**Fruit Growing Pointers**

Mr. Lake, from the Battleford district, gave the convention what might be called tested recipes for growing fruit, which had been put into practice on his own farm and proven successful. After a word about the windbreaks, which are an inevitable factor in any scheme for growing fruit, the speaker gave a list of thoroughly hardy varieties of fruits. Of the red raspberries he recommended the Herbert and the Columbia; of black currants, the Boskoop Giant and Black Champion; of strawberries, the No Name, Dakota and Warfield; of red currants, Fay's Prolific; of white currants, White Grape; of gooseberries, Houghton and Barrie. For winter covering of strawberries he advised the use of slough hay, which should be removed in the spring two or three inches at a time, so as not to expose the plants to a too sudden change of temperature. The raspberries were left unprotected until after the very cold weather in January and February, when they were banked up with snow covered with straw and horse manure.

A brief history of the beginning of the Homemaker movement was given by Deane Rutherford, who went on to point out some practical avenues of work for the immediate future, such as medical inspection of schools, betterment of rural schools and the development of a better community spirit.

One of the pleasantest events of the convention was the tea given to the visitors by Mrs. Murray and Mrs. Rutherford at the president's residence on Thursday afternoon. The weather man rather frowned upon the occasion his displeasure did not have any appreciable effect upon the merriment of the tea hour.

**LIBERALS RETURNED TO POWER**

The Liberals were again returned to power in the Nova Scotia legislature on June 20. The party of the Hon. G. H. Murray, who has held the premiership for twenty years, was again given the reins of government with an increased representation. Thirty-one Liberals and twelve Conservatives were elected from the forty-three constituencies in the province. Hon. C. E. Tanner (Petou), leader of the Conservative opposition, was defeated, the Liberals securing all three seats in that county. In the last house, which was made up of thirty-eight members, there were twenty-five Liberals.

Premier Murray and all the members of his government were re-elected, the Liberal majority in some instances being comparatively high.

**WOODWORKING SHORT COURSES**

A movement will shortly be initiated in Manitoba to extend to a large number of provincial centres the benefits of manual training. The courses will average from a week to ten days, and the dates to be selected will be during the summer holidays. In order that any point might be favored with a course it must enrol at least fifteen or twenty boys over 12 years of age. The instructors who will assume charge of these courses are technical teachers either in

the Agricultural College or the Manual Training Departments of the Winnipeg public schools. In the matter of tools, the co-operative idea is being inculcated. The boys will get together in groups of five, and each boy will furnish two or three tools. In some centres the girls will also be given a course in sewing. In connection with each course one sports day will be arranged for, and at least one lecture on agriculture given by some member of the Agricultural College staff. At the close of the course, study clubs will be organized for the further study of agricultural subjects during the fall and winter months.

The places where courses will be held will be as follows: Oakville, Dugald, Minnedosa, McCreary, Souris, Grandview, Boissevain, Miami, Carberry, Minto, Poplar Bluff, St. Andrew, Swan River, Austin, Ninette, Belle Plains, Birds Hill, Benito, Durban, Binscarth, Gladstone, Gilbert Plains, Pilot Mound, Morden.

**DR. C. C. JAMES DEAD**

Agriculture in general, and the Dominion Department of Agriculture in particular, has lost a most valuable servant thru the very sudden and wholly unexpected death of Dr. C. C. James on Friday, June 23, at St. Catharines, Ont.



**Dr. C. C. James**  
Irish origin associated with proper trial in the profession. The death of this scholar the student was taken to court martial, found guilty but insane, and was released at the Mackay's office.

Death took place on a street car and was due to heart failure. Dr. James was widely known thru-out Canada. Born in 1863 at Napanee, Ont., after a distinguished high school and college course, in 1886 he was appointed Professor of Chemistry at the Ontario Agricultural College. In June, 1891, he commenced duties as deputy minister of agriculture and secretary of the Ontario Bureau of Industries, a position which he occupied for 25 years, despite party changes in the government. He was then appointed agricultural commissioner of the department of agriculture for Canada, a position he held at his death. Dr. James will be best known thru the West for his intimate connection with making the recommendations upon which the Agricultural Instruction Act, passed in 1913, which provided \$10,000,000 for ten years to assist the provinces in carrying on education, instruction and demonstration in agriculture, was based. Dr. James had a broad grasp of conditions and untiring devotion to work. His death is a great loss and deeply regretted by agriculturists thru-out the country.

**THE HOLLIS RURAL CREDIT BILL**

Continued from Page 17  
outs of the Hollis measure. It is too profound a document for the uninitiated to fathom. To the best of our knowledge it merely creates an elaborate piece of governmental machinery to do the work of handling the farm mortgage business of the country, adding the features of amortized repayments of principal and the co-operative plan of borrowing, two features which we believe American farmers will be slow to use. So far as we can see, in our present woeful and inadequate grasp of the Hollis measure, it is not only a sop to public clamor but also smacks of a paternalistic attitude toward the average farmer which we do not relish.

<b>BELGIAN RELIEF FUND</b>	
Previously acknowledged	\$7,214 24
Collected by Mrs. H. Leathers, Headip, Man.	4 00
Knox Church, Burton, Man.	10 00
John Lamont, West Hope, Man.	15 00
<b>Total</b>	<b>\$7,247 24</b>
<b>RED CROSS FUND</b>	
Previously acknowledged	\$1,560 45
Mr. Hanna, Regent, Man.	10 00
<b>Total</b>	<b>\$1,570 45</b>
<b>POLISH RELIEF FUND</b>	
Previously acknowledged	\$20 00
Knox Church, Burton, Man.	10 00
<b>Total</b>	<b>\$30 00</b>

## Gombault's Caustic Balsam

**The Worlds Greatest and Surest Veterinary Remedy**

**HAS IMITATORS BUT NO COMPETITORS I**

**SAFE, SPEEDY AND POSITIVE.**

Supersedes All Caustery or Firing. Invaluable as a CURE for

**FOUNDER, WIND PUFFS, THRUSH, DIPHTHERIA, SKIN DISEASES, RINGBONE, PINK EYE, SWEENY, BONY TUMORS, LAMENESS FROM SPAVIN, QUARTER CRACKS, SCRATCHES, POLL EVIL, PARASITES.**

**REMOVES BUNCHES or BLEMISHES, SPLINTS, CAPPED HOCK, STRAINED TENDONS.**

**SAFE FOR ANYONE TO USE.**

We guarantee that one tablespoonful of Caustic Balsam will produce more actual results than a whole bottle of any liniment or ointment mixture ever made. Every bottle sold is warranted to give satisfaction. Write for testimonials showing what the most proud and honest horsemen say of it. Price, \$1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use.

**The Accepted Standard VETERINARY REMEDY**

**Always Reliable. Sure in Results.**



*Keep your horse without the slightest of*  
*The Lawrence-Williams Co.*  
*Sole Importers of Proprietary for the*  
*U.S. & CANADA. CLEVELAND, O.*

**THE BEST FOR BLISTERING.**

I have used GOMBAULT'S CAUSTIC BALSAM into a good deal, and for a blister it is the best I ever used. I wish your remedy every season.

**CHAS. BENTZ, Manager,**  
Rayfield Road, London, Va.

**CURED CURB WITH TWO APPLICATIONS.**

I have used your GOMBAULT'S CAUSTIC BALSAM to cure curb. I blistered it twice, and made it worse of it any more. The horse is as good as new.

—DAN McWIK, Druggist, Va.

**Sole Agents for the United States and Canada.**  
**The Lawrence-Williams Co.**  
**TORONTO, ONT. CLEVELAND, OHIO.**

## 15 CLYDESDALE STALLIONS 15

Imported and homebred. All ages, sizes and qualities

### 30 CLYDE MARES AND FILLIES 30

HACKNEYS AND WELSH PONIES

### SHORTHORNS (Bulls and Females)

Dual Purpose and Beef Strain. Prices and Terms Reasonable

**P. M. BREDT & COMPANY**

GOLDEN WEST BALGREGGAN - Phone M. 1003 - Box 2089, CALGARY, ALTA.

## Berkshire, Yorkshire and Poland China Pigs

We are now booking orders for Spring pigs of the above breeds for delivery July 1st. They are all of the very best of breeding; are purebred and registered and we furnish pedigrees free. Every one we send out is a real good individual and we can supply you with pairs of trios not akin. Price \$15.00 each. Get your breeding stock from Glencarnock, the farms where the champions are bred and lay the foundation for a good herd of pure bred pigs.

### GLENCARNOCK STOCK FARMS

James D. McGregor, Proprietor, BRANDON, Manitoba.

**GUARANTEED PLOW SHARES Reduced Prices**

<b>12 inch</b> .....	<b>\$2.00</b>
<b>14 inch</b> .....	<b>2.25</b>
<b>16 inch</b> .....	<b>2.50</b>

F.O.B. Swift Current, Sask.

Write for our delivered prices on 25 Shares or more. Write for our delivered prices on Cedar Frame Plows.

**THE NATIONAL SUPPLY CO. Swift Current, Sask.**

Co. Ltd.  
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to will line to be the itely  
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He said that f the men who were rejected great deal of aid have been d at an early school was, ly ventilated sanitary ar- a result the he ordinary id is greater d. Children her people's be expected faithful life  
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The Farmers' Market

WINNIPEG MARKET LETTER

Office of The Grain Growers' Grain Company Limited, June 26, 1916
Wheat—During the week ending June 24th our wheat markets have been steady and generally quite active.

WINNIPEG FUTURES

Table with columns for Wheat, Barley, Oats, and Flax, showing prices for various grades and quantities.

MINNEAPOLIS CASH SALES

Table listing cash sales for various grain types such as 1 Nor wheat, 2 Nor wheat, etc.

GRAIN IN INTERIOR TERMINAL ELEVATORS

Table showing grain in interior terminal elevators for Wheat, Oats, Barley, and Flax.

LIVERPOOL WHEAT MARKET

Table detailing the Liverpool wheat market with sub-sections for Liverpool, London, and other regions.

STOCKS IN TERMINALS

Table comparing stock levels in terminals for 1915 and 1916 for various grain types.

WINNIPEG and U.S. PRICES

Table comparing Winnipeg and U.S. prices for Cash Grain and Futures.

This week 4,149,920.08 Last week 2,917,714.11 Increase 1,232,205.97

Decrease 119,138.50

Others 844,944.98

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Decrease 119,138.50

Others 844,944.98

THE MARKETS AT A GLANCE

Large summary table showing market prices for various goods like Cattle, Hogs, Sheep and Lambs, Butter, Eggs, etc., across different locations like Winnipeg, Toronto, Calgary, Chicago, St. Paul, Regina, Brandon.



**U.S. PRICES**  
Principal western  
No. 24, were:—

104	Minneapolis	\$1 12
09		1 07
05		1 03
45		38
08		63-72
56		1 78

104  
07 (Sept.) 1 07  
06 1 08

with St. Paul, twenty  
Winnipeg, two docks  
ste west on account

and grassy fat cattle  
week. On Thursday  
55 and on Thursday  
of cows sold here  
steers Thursday  
I handle yesterday,  
1.75 and at \$1.50 to  
stricted outlet, due  
used the drop. Also  
was reduced by the  
steady, due to the

to \$10.15 Thursday  
to heavy Eastern  
led 16 per cent. of  
cattle consignments  
stock Department  
Co. rep it receipts  
as: Cattle, 2,500;  
65; hogs, 6,400;  
practically no good  
extra choice ear of  
\$10.10, but apart  
is good enough to  
id feeders were in  
do not look for  
trade next week.  
as again last week,  
15 to 200 pounds  
to fair \$6 to \$7  
be scarce. Good  
and choice lambs

best of last week  
fed and watered.  
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ing for the week  
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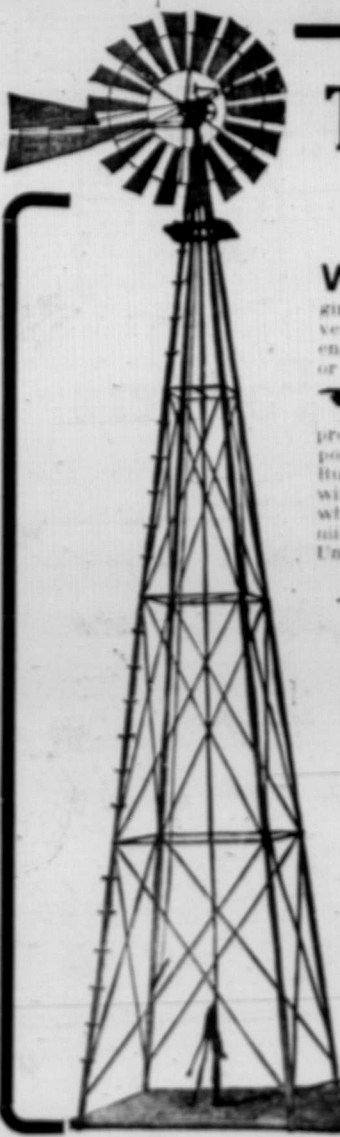
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and as usual  
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and there is a  
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cents with a

Brandon	June
27c	
26c	
25c	
25c	
75c	
35c	
32c	
\$2 50	
25c	
15c	
20c	
\$12	



# These Goods Meet Any Competition Either in Quality or Price

Comparison  
solicited first  
then  
your order

Only a few of our  
many lines. Write  
for our complete  
catalogue

WHEN the farmer has other work such as running a cream separator, washing machine, and any other light work on the farm, or where his well is close to a building so that an engine may be belted to a line shaft or attached direct to the pump, then a small engine is very convenient. These engines more fully described and illustrated in our catalogue. Either style engine furnished with combined pump-jack or with independent jack. Either single-gearred or double gearred jack may be supplied.

This illustration represents one of the most reliable pumping windmills sold in Western Canada and is the only one manufactured West of the Great Lakes—always ensuring prompt delivery of repairs. Wind power is cheaper than gasoline power for pumping purposes, especially for pastures or where a large supply of water is required daily. Buy a Manitoba Windmill with regulator and your watering problem is solved. The regulator will let the mill in gear as the supply of water is taken from the tank and will close it off when the tank is full. The wind in Western Canada is constant enough to make a windmill absolutely reliable. More than 110,000 of these outfits are in use to-day in Canada, United States and Australia.

THE ONLY WINDMILL WHICH PULLS INTO THE WIND AND THIS MAKES IT AS NEAR  
ABSOLUTE STORM RESISTING AS A WINDMILL CAN BE BUILT. SEE PAGES  
40-45 OF OUR GENERAL CATALOGUE FOR FURTHER INFORMATION

	Weight	Brandon	Calgary
8 ft. mill for mast or tower	300	\$ 28.00	\$ 30.50
8 ft. mill with stub tower	380	33.00	36.00
8 ft. mill with 20 ft. tower	650	51.00	56.00
8 ft. mill with 30 ft. tower	820	66.00	72.50
8 ft. mill with 40 ft. tower	980	77.50	85.00
8 ft. mill with 50 ft. tower	1200	92.00	102.00
10 ft. mill for mast or tower	460	42.50	46.50
10 ft. mill with stub tower	520	48.50	53.00
10 ft. mill with 20 ft. tower	820	67.00	74.00
10 ft. mill with 30 ft. tower	980	80.00	88.00
10 ft. mill with 40 ft. tower	1160	92.50	102.50
10 ft. mill with 50 ft. tower	1400	107.50	120.00

Water cooled pumping engine complete, built entirely without gaskets, substantial, strong, simple, convenient and reliable.  
F.O.B. Brandon \$47.50  
F.O.B. Calgary \$51.00  
Can furnish engine with 20 ft. of belt and single gearred, independent jack at same price or with double gearred pump jack for \$2.00 extra. Weight crated 320 lbs.

Illustrating our air cooled engine belted to pump jack. Price as outfit appears.  
F.O.B. Brandon, \$48.00  
F.O.B. Calgary, \$48.50  
Furnished with combined pump jack at same price or with double gearred independent jack at \$2.00 extra. Weight crated, 325 lbs.

All Manitoba goods guaranteed against defects in workmanship or material indefinitely. Any part proving defective will be replaced free of charge at Factory or Branch. Any purchaser not satisfied at the end of 30 days may return his outfit and receive his money back.

**Manitoba Engines Ltd.**  
BRANDON, Man. - CALGARY, Alta.



# Alberta Provincial Schools of Agriculture

At Claresholm, Olds and Vermilion



## RECRUITS WANTED!

Recruits are wanted to enter upon the course of training in practical and scientific agriculture provided free at these schools of agriculture. Farmers' sons and daughters can best perform their services for the Empire if properly equipped to fulfil efficiently their duties of cultivating the soil, raising livestock or making the farm home run smoothly.

1916-17 session begins October 31st, 1916. Complete agricultural courses in both first and second year. These comprise every branch of agricultural knowledge, practical and technical, and training in the solution of every useful problem presented to the farmer; in addition, courses in Domestic Science and Household Economy will be given for the girls. These are supplied entirely free of charge.

## EARLY APPLICATIONS DESIRABLE

For Full Particulars Apply to one of the following:

W. J. STEPHEN, B.S.A.  
Principal - School of Agriculture  
CLARESHOLM

W. J. ELLIOTT, B.S.A.  
Principal - School of Agriculture  
OLDS

F. S. GRIDDALE, B.S.A.  
Principal - School of Agriculture  
VERMILION

HON. DUNCAN MARSHALL - Minister of Agriculture - EDMONTON, ALTA.



# CO-OPERATION



## That got Grain Shipments from these Three Farmers

Bernice, Man.,  
May 9, 1916.  
"I received your letter saying Grade was raised to No. 2 Northern with 1% dockage. I am very well pleased with the way in which you handled that car; also the two I sent you last Fall."  
(Name on request).

Kylemore, Sask.,  
May 9, 1916.  
"I have been well pleased with the out-turns and the price and your prompt method of giving returns. In the past seven years The G.G.G. Co. have handled for me in the most acceptable manner upwards of twenty-five cars of all kinds of grain."  
(Name on request).

Seven Persons, Alta.  
Mar. 1, 1916.  
"Thanks for the quick returns and square dealing that I received from you in the handling of my car of grain. I am well pleased."  
(Name on request).

and thousands of others, has made it possible for farmers of the Prairie Provinces to get the commodities shown or listed below, through a Company of their own. Almost 18,000 farmers in Western Canada are shareholders in this Company.



PRICE  
\$100.00

G.G.G. SUGGIES and DEMOCRATS are made from the best materials available by the biggest manufacturers of vehicles in the world. Every rig is fully guaranteed.

PRICES:

Runabout	\$63.00
Suggie from	\$73.50 to \$100.00
Democrat—2 seats	\$84.00
3 seats	\$119.00

### CREAM SEPARATORS

You do not need to pay the figured you have been asked for a real high grade cream separator. The "Upsala" described in the Supplement to our 1916 Catalog, just off the press, is as good as any machine built; it can be supplied with or without iron stand.

Capacity per hour	Price
230 lbs.—Without stand	\$30.00
350 lbs.—Without stand	41.00
350 lbs.—With stand	45.50
450 lbs.—Without stand	48.50
450 lbs.—With stand	51.25

We also carry the "Favorite" which sells at \$14.50 for 100 lbs. capacity, and \$18.00 for 150 lbs. capacity; also the "Tara" capacity of 310 lbs. and price, \$24.50.



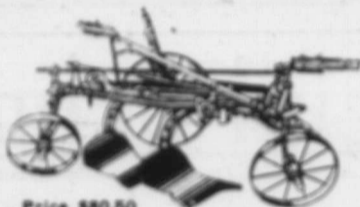
G.G.G. DRAG HARROWS—4-horse Boss Harrows, 26 ft. wide, \$22.25. Lever Harrows, 15 ft. wide, \$23.60; 20 ft. wide, \$32.50. Diamond Spike Tooth Harrow; 4 sections, 16 ft., \$15.60; 6 sections, 24 ft., \$27.00. Single sections, \$3.45.

We can also supply Harrow Carts and Harrow Attachments for your plow.

Authorized capital ..... \$2,000,000.00  
Subscribed capital over ..... 1,300,000.00  
Reserve fund ..... 340,000.00

Grains purchased on track or handled on consignment.  
Livestock handled on commission through our Office in the Union Stockyards, St. Boniface, Manitoba.  
Farm Machinery and General Commodities supplied to farmers of the West at prices as close as possible to manufacturers' cost.—Distributing warehouses at Winnipeg, Regina and Calgary.

### PLOWS - Any kind you want



Price \$80.50

Built especially for use in Western Canadian soils—high grade materials used throughout.

Prairie Breakers—12 inch, 14 inch and 16 inch \$20.50, \$22.50 and \$25.00.

Steel Beam Stubble Plow—\$15.50, \$17.25; and \$19.50.

High Lift Sulky Plow—14 inch, 16 inch and 18 inch, \$51.25 and \$53.00.

Foot Lift Gang Plow—14 inch and 14 inch, \$80.50 and \$82.00.

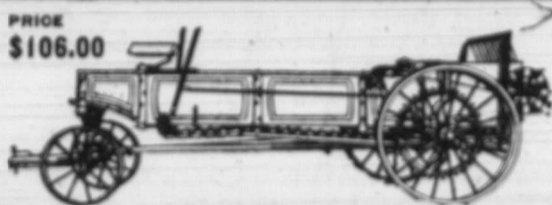
Write for description and prices of any plow you need.

### SEWING MACHINES

In equipment and finish, as well as in quality of work done and wearability, G.G.G. Sewing Machines are equal in every way to the best of the high priced machines that have been sold throughout the West. Every machine carries a ten year guarantee. Consult Pages 20 and 21 of our Supplement to the 1916 Catalog for full description.

PRICES:

The G.G.G. Special	\$30.00
The G.G.G. No. 1	20.50
The G.G.G. No. 2	19.00



PRICE  
\$106.00

G.G.G. MANURE SPREADERS are built to work right and to last a life time. This is a real low-down Spreader and has a double reach which takes the strain from the box.

PRICES:

60 bus. capacity \$106.00, 70 bus. capacity \$116.00, 90 bus. capacity \$138.00.

### HAYING MACHINERY

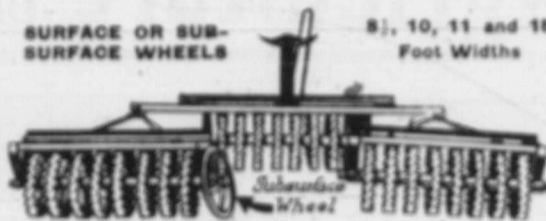
The Hay Rakes and Mowers handled by us this year are second to none. The frame of the Mower is a solid one-piece square casting which holds the working parts in proper relation with each other; the crank shaft is located so as to allow the pitman to travel as nearly as possible parallel with the cutting bar. G.G.G. Mowers have few parts and are simple in construction.

PRICES:

MOWERS:	HAY RAKES:
5 ft. cut ..... \$49.50	10 ft. width ..... \$30.75
6 ft. cut ..... 50.50	12 ft. width ..... 35.75

SURFACE OR SUB-SURFACE WHEELS

8, 10, 11 and 15 Foot Widths



G.G.G. SOIL PACKERS—Surface and sub-surface packer wheels are interchangeable; patent dust-proof axles hold enough lubricant for the ordinary work of a season. Built in sizes to suit two, three or four horses. Wheels 20 inches in diameter.

PRICES:

\$54.00 to \$81.25.

Write us also for Parker Attachments for your Plow.

We carry practically a complete line of farm implements and general supplies needed by farmers throughout the Prairie Provinces. Write us for particulars, or call at one of our Branch Offices before you buy. Write for our Power Farming Catalog and note details about the Grain Growers' Special Tractor and Threshing Separators built to be used with it. See the tractor at Brandon Fair.

When you have cattle, sheep or hogs ready for market, do not fail to use our Livestock Commission Department, Union Stock Yards, St. Boniface, Manitoba. This department is under capable management and thoroughly equipped to look after individual or co-operative shipments.

ORGANIZED, OWNED AND OPERATED BY GRAIN GROWERS OF THE WEST

**The Grain Growers' Grain Co. Ltd.**  
Branches at REGINA, SASK. CALGARY, ALTA. FORT WILLIAM, ONT.  
Winnipeg - Manitoba  
Agency at NEW WESTMINSTER British Columbia

OUR BUSINESS: THE BUSINESS OF THE FARMER. OUR IDEAL: EVERY FARMER A SHAREHOLDER