

The  
**Canadian**  
Thresherman and  
Farmer

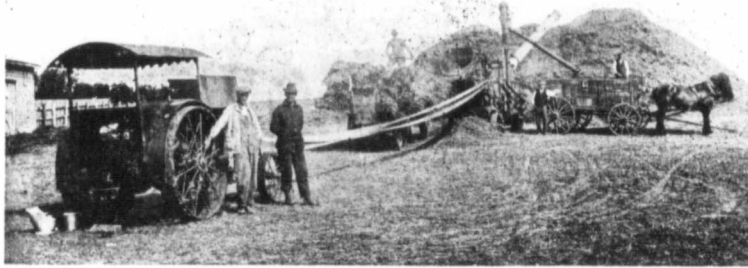


December 1919

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WINNIPEG - CANADA

# A Merry Xmas and A Prosperous New Year To Our Hosts of Friends and Friends to Be

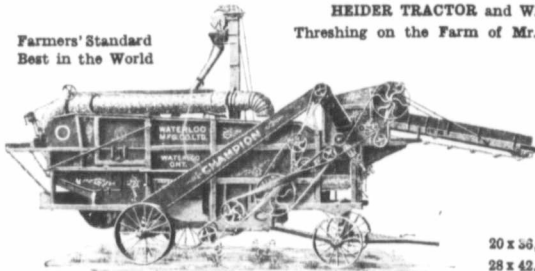
We've  
Won  
Again



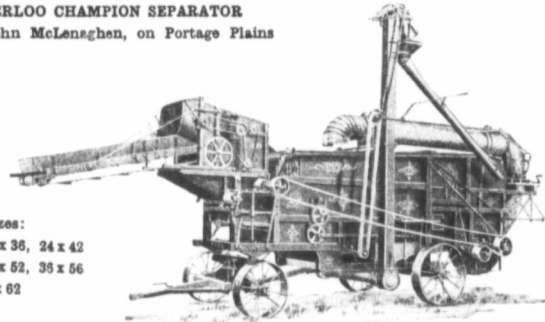
Merit  
Always  
Wins

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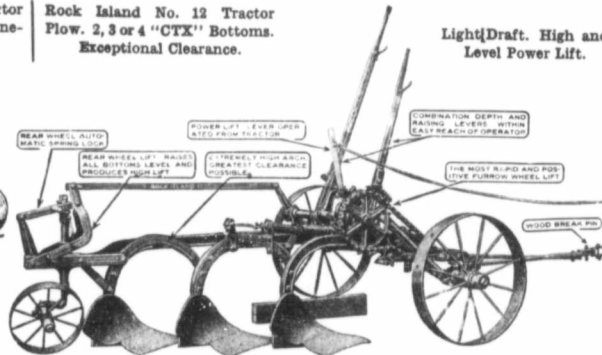
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**Rock Island No. 12 Tractor**  
Plow. 2, 3 or 4 "CTX" Bottoms.  
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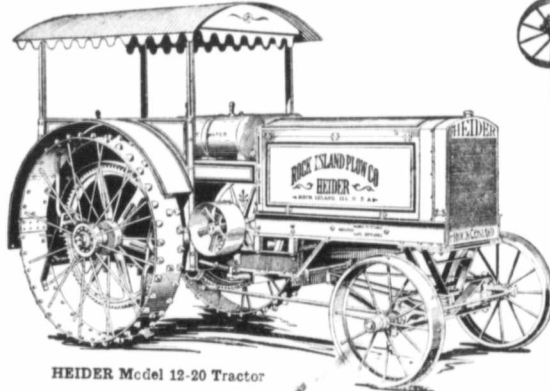
Light Draft. High and Level Power Lift.



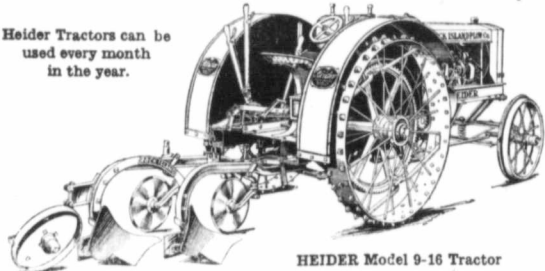
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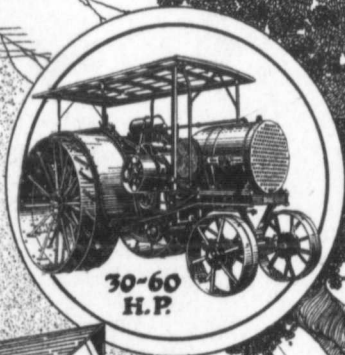
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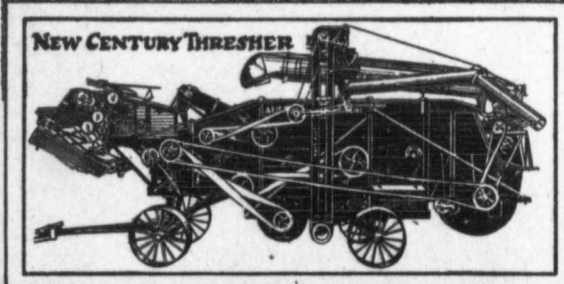
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# The Canadian Thresherman and Farmer



Christmas Number: Nineteen-Nineteen

## The World's Greatest Driving Force



*"This everlasting army of children coming and going, going and coming, always about us, for ever passing by, is God's pledge to the world that His purpose shall not fail"*



**T**HE best day in the history of the world since Bethlehem!" said Secretary Daniels, of Saturday, 28th June, 1919—the date of the signing of the peace pact. In the afternoon of that day, in the historic Hall of Mirrors, at Versailles, where the German Empire was proclaimed with glittering pomp in 1871, the two envoys of that now fallen state signed the treaty without a murmur.

Here in 1871 the German Emperor was crowned; here in 1919 the utter defeat of the Prussian Empire's tyrannous bid for world domination was written in letters of blood into the annals of the world's history.

### "The Best Day Since Bethlehem!"

In those centuries that mark the interval between Bethlehem and that great hour in the palace of the old and obsolete French kings, some mighty things have been done in the name of human genius, but no great thing was ever conceived that lives in fact or in grateful memory to-day which did not find its "one rock of security and real power" in the cradle of Bethlehem.

Bethlehem has been immortalized by The Child. The child is in a very real sense, "the father of the man." All that is of real power in the man is in that which has not yet parted company with the integrity, the simplicity the incurable Good Will of the Child.

In those nineteen odd centuries, every attempt of despotism to insist on its will holding the ascendancy over men's minds and property has, sooner or later, perished by its own hand. By the common law of Nature, it could not live.

The one living thing on the earth to-day is the child, and there never was a time in the world's history when it was so impera-

tive that the ruling of the child should become absolute the world over, as it is at this hour.

Herein lies the world's salvation—the acceptance and habitual honoring of the Law of Love that received its coronation in the manger of the inn at Bethlehem. The solution of the world's unrest, the one guarantee of a world's peace for all time is to be found in the simple story of that **Child's Life**. That simple and yet amazing biography of thirty-three years presents a perfect living model of the only plan of human conduct and government which has ever guided men to success and happiness.

Taking the prevailing condition of things in the world to-day at their face value, we are in about the worst maelstrom of social disquietude of which men now living have any memory. The outlook is one of black hopelessness to any mind that does not begin, continue and end with the sovereignty of the **Golden Rule**. That the world of civilized men is split into two great hostile camps is due, not to ignorance, but to a prevailing indisposition to square conduct by the principle of the Golden Rule.

### Who will Save the Day for Justice and Goodwill?

The incidence of the great war has shattered so much in constituted "authority" and leadership that the high priest in many an old temple of devoted worshippers has had to step down from his pedestal. Who among the hoary prophets of, say, the past decade, has survived the wreck of those fifty months of human hate and the unbridled passion of war?

Of those of them who did not set their course by the magnetic needle of the Golden Rule before publishing it to the world, not a man of them dare lift his head to-day.



"The Only Lasting Asset in any State"  
Peter Wright



Heart, brains and enthusiasm

In point of fact, the "old gang" has had its opportunity, it has outlived to-day, and what a mess it has left to the new generation, to its own offspring, to clean up. It was the "old gang" who started the war, and its own children paid for its ineptitude and folly with their blood on the battlefields of Europe and Asia.

A ramshackle remnant of the "old gang" is still in the saddle, but the young race is knocking at the door, and the bunglers of pre-war days are fast riding to their fall. Then God be praised, for just when that happens may we reasonably expect that glorious millenium of human felicity—the re-incarnation of the Babe of Bethlehem in the living bodies and souls of our children.

What greater thing can happen than a world-wide realization of the tremendous power enthroned in our schools? It is the power that will one day rule this country. This splendid new army of our children is marching to its own, and it will rule us before many years are gone. It will leave its mark upon our lives, and on this land, as surely as that army that went to France.

They come to us, these children, in their impressionable years, and we put into their hands the tools with which they will carve the destinies of our land. The legislators, the leaders in industrial life, the cabinets and the prime ministers of the future.

The men and women who will write the books and paint the pictures, the builders of great businesses, the great teachers who will spread ideas, the leaders of all parties, the guardians of the Nation's conscience—all these we are handing on with our blessing or our curse to the future of our race.

And what are we teaching them, these little ones? What are we doing with this mighty multitude, this stupendous accumulation of inexhaustible mental, physical and spiritual power? They will love the things we teach them to love; they will hate the things we teach them to hate, and soon they will stand in our place.

In a few days, the whole Christian world will celebrate the birthday of the Prince of Peace, that wonderful incarnation of Love, of All Good, of Indefeasible and Infinite Power.

For sheer abandonment to the incarnated spirit of happiness, what picture or what circumstance in human experience can match a child's birthday party or family group of kiddies in the early hours of Christmas morning?

Such scenes as these, with the unutterable feelings they engender, cannot be written about because nothing in words can begin to tell the language of the heart that is even, in the slightest degree, responsive to the affection, trustfulness and poignant sensitiveness of young children.

A grey-haired friend, reviewing his past, declares that he always felt it was worth the turmoil and worries of the whole twelve months to see his little ones unloading their stockings on Christmas morning. Before retiring on Christmas Eve, the parents had festooned their bedroom with Chinese lanterns, so that there would be one dazzling blaze of decorative light when the youngsters were carried in from their respective cubicles, each carrying his or her stocking.

In their "nighties," they snuggled at the foot of the bed and, beginning with the youngest, the stockings were emptied amid one grand pandemonium of hilarious joy.

This is the same "old fool" who never fails to take an hour off on the day when the city's big department store brings in Santa Claus. To him the faces of those thousands of expectant little ones on the streets that morning is a perfect benediction. In the keenest temperature Santa ever stepped out



Worth a fortune to Canada

in, with nose as "blue as the fairy flax," this silly old "imbecile" will be found viewing the procession from a dozen widely separated points, holding aloft some little chap who got squeezed too far in the rear to obtain a clear sight of the great hero of his happy little soul.

Have you, kind reader, ever lost your heart upon that wonderful sea of little faces and wondered at the future awaiting some of them—the great men and women, the failures and, perchance, the criminals of a future that is no farther distant from the present than you are now from the date on which your last child was born? And it looks but yesterday.

**Peter Wright's Message**

One of the very greatest human souls who took part in that great conference on education in Winnipeg recently, was Peter Wright, a self-educated British seaman—a prince of labor men. Peter is president of the British Seamen's and Firemen's Union, and, since he spoke in Winnipeg, he was elected, in his absence, to the high office of Mayor of his home town—Newport, Monmouth, Wales.

He "rounded Cape Horn" in an old wooden sailing tramp when he was nine years old, and couldn't read a letter of the alphabet at 16. But that was not Peter's fault; he had either to toil like a slave or starve. A little bit of this man's own language has ten times more life in it than any commentary that could be made on his impassioned appeal on behalf of the children.

"People will all agree," said Mr. Wright, "to look after the spiritual welfare of the child, but they are not quite so keen to interest themselves in its bodily welfare. It (Con. on page 16)



Local Winners, Boys' and Girls' Clubs of Manitoba, 1910

# A CHRISTMAS MESSAGE— To The Boys and Girls

From Manitoba's Minister of Education

THE poet, Tennyson, says in Ulysses, "I am a part of all that I have met," and in Locksley Hall he says, "I, the heir of all the ages." In these two striking phrases he conveys the idea that we are indebted to others around us for many of the advantages with which we are surrounded, and that many of our benefits to-day have been given to us as a result of the accumulated effort of men and women in days gone by. For example:

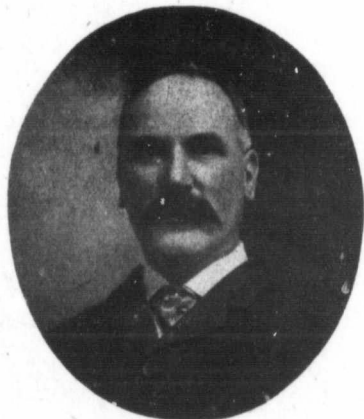
Any little boy will press a button for the electric light, and yet it is only forty years since electric light became of general use. A little lad, two or three years old, will go to the telephone and talk to his chum miles away, and yet many fathers and mothers can remember when there was no telephone. The automobile running about our streets and roads has become a permanent part of our mode of travel, and yet, twenty-six years ago, there were no automobiles. We are now getting accustomed to seeing machines flying in the air, yet it is only half-a-dozen years since this became possible.

But Tennyson's idea is true in other matters besides these which are physical and mechanical. Our wealth of literature, art and music is largely due to the efforts of men and women in other times and other places. Through great books we are able to talk with the men and women who wrote them long years ago, and to enter into the thoughts and ideas of others far away from us. Through pictures we are able to see the beauties of other lands, and appreciate visions of other minds. Through music we can share the moments of joy, of sorrow, of pathos and triumph of others.

But there is still another, and even more important matter to which these sayings of Tennyson apply—the benefits of Free Citizenship. To-day we live in a free land. We go to and fro on our daily business without let or hindrance. We have our various free institutions by which we govern ourselves and manage our own affairs. These have all been obtained for us by steady, prolonged effort throughout succeeding generations. At times there have been great struggles in the cause of freedom, and we have just seen the close of the greatest struggle for freedom in all the ages.

In August, 1914, Germany made a great attack upon the liberties of the world, including the liberties of the people of Canada. Germany was only prevented from reaching her goal because men and women from all over the world, including Canada

*"Believe in the future, for none but you can. Believe in what is called the impossible, for it waits the help of your hands to show itself to be the inevitable. . . . Take up the thought and give it shape in act! You can and you alone."*



HON. DR. R. S. THORNTON  
Minister of Education, Manitoba

—our own brothers, sisters, fathers, sons— took up the conflict and finally triumphed. We are still free; we can say we are still free because men and women sacrificed even life itself to secure that freedom for us.

In all these things we are debtors to others in the years that have passed. How shall we pay the debt? We cannot pay it to the past, but we can discharge it by rendering like service to the present and future. We can strive, as they have done, to make of ourselves useful men and women, and so build up the Canadian Nation. We can do our work and meet our responsibilities in the spirit of willing service, and of mutual helpfulness which is, after all, the true spirit of Christmas.

Wishing you all a very Happy Christmas.

## WHAT PETER WRIGHT SAYS

WE had hoped till the last minute to have a promised message from Mr. Peter Wright, President of the British Seaman's Union, who lately visited Canada to take part in the National Conference on Education.

Mr. Wright, on the eve of sailing for England, promised the editor to write a special message to young Canada while he was on the ocean, but while "Peter" is emphatically a man of his word, there are a number of reasons in his busy life, any one of which would be sufficient to explain why his message had not come to hand as our last form goes to press.

No doubt we shall have it for our New Year's message, but whatever its import, it can never outclass his ringing appeal for the young folks when he addressed the conference in Winnipeg.

Mr. Wright does not pose as a superior person who feels entitled to "talk down" to the ignorant crowd at his feet. The very opposite. He is one of the humblest of men, gifted, however, with an unusual share of hereditary common sense—one of "Nature's noblemen," as one has called him—who has literally had to fight his way from early boyhood to the position he now holds in the esteem of the whole British Empire.

He is the father of eight children who are "especially his own," but he has, as he puts it, "something like fifty thousand kiddies" under his charge, and is on the senate of two Universities. He is one of those men who find their greatest solace under every trial in the companionship of children, whose hearts are big enough to take in every child in the universe, who believes that the state possesses no asset that will ever take precedence of its children.

As the children of Manitoba, and particularly those of them whose parents have come from non-English speaking countries to find a home with us in Manitoba, have long been accustomed to recognize, in Dr. Thornton, their "educational father," so is Mr. Wright exercising all the love and care of a father over the many thousands of children of British sailor-man whose welfare is, to a large degree, in his keeping.

"All I am out for," says this wonderful old seadog, "is to bring in this kingdom of God upon earth. The whole of my creed has been, and is, to-day, to do unto others what I would like others to do unto me." There is no flumbug in that.



Some of Dr. Thornton's "New Canadians" at play on the ice

## The British Way of Entering Jerusalem

An Event to Stir the Emotions of the World—the Biggest Stroke of the War for Peace and Goodwill.

**M**ANY a heart and many a home is quickened this Christmas time by the proud memory of one of its own sons taking part in the deliverance of the Holy Land from the clutches of the unspeakable Turk.

What stories these lads have to tell of the victorious march on Jerusalem; of "keeping watch," night after night, on the plains of Bethlehem, probably upon or near to the very spot on which the Divine Man was born on that first Christmas Day. It would be interesting to compare them with those of Disraeli, who visited the Holy City in 1831.

"I was thunderstruck," he wrote. "I saw before me apparently a gorgeous city. Nothing can be conceived more wild and terrible and barren than the surrounding scenery, dark, strong, and severe, but the ground is thrown about in such picturesque undulation that, the mind being full of the sublime, the beautiful, rich and waving woods and sparkling cultivation would be misplaced.

"Except Athens, I never saw anything more essentially striking, no city except that whose sight was so pre-eminently impressive — Athens and Jerusalem in their glory must have been the first representatives of the beautiful and the sublime."

### What Songs Sang They?

What songs, one wonders, did the new Crusaders — British, French, Italian, and Indian—sing when they entered Jerusalem? The Crusades, like other holy wars, inspired many songs and hymns which, in their time and long afterwards, were much in evidence. At the siege of 1099 Normans from southern Italy made their way down the heights of Emmaus singing lustily: "Jerusalem, lift up thine eyes and behold the liberator who comes to break thy chains." At night, when the Christian hosts were encamped on the ramparts of Calvary, silence reigned over the Holy City, broken only by the sounds of hymns of penitence and the words of Isaiah solemnly chanted: "You who love Jerusalem, rejoice with her."

### Kaiser in Jerusalem

Here is how the Kaiser entered Jerusalem, as told in a book, "Four Dreamers of World-Power — Philip II., Louis XIV., Napoleon I., and William II.," which says: "In 1898, after Abd-ul-Hamid had made his name execrable by his atrocious murders of Armenian Christians, the German Emperor visited Constantinople and had

most amicable intercourse with 'his friend the Sultan.'

"From Constantinople William went straight to Palestine, and there he posed as the champion of Christendom. At the consecration of the Church of the Redeemer in Jerusalem he delivered one of his memorable addresses.

"'From Jerusalem,' he said, 'there came the light in the splendor of which the Ger-

Turkish retirement from Jerusalem was 'voluntary,' because—

"No nation in the world which believes in God could wish its sacred soil to be the scene of bloody battles. The keeping of a town which is worthless from a military point of view was of no importance in comparison with this consideration."

"The apologia is thoroughly German," says the Westminster Gazette. "Apparently, if the town had been of military importance religion might have had to take a back seat. Happily, in this case, it is possible to 'believe in God' and militarism, and the Kaiser's heart, which bled for Louvain, will have to undergo no similar ordeal in the case of Jerusalem."

### General Allenby's Entrance

General Allenby's entrance into Jerusalem was marked by great simplicity and made memorable to the people by the significant acts which followed it and of which Great Britain may be proud—although no other course was ever possible or desired.

The British Commander made his entry accompanied by the Commanders of the French and Italian detachments and the military attaches of France, Italy and the United States. Unlike the bombastic and spectacular entry of the German Emperor—who, though in reality a Cook's tourist, rode into the city in the theatrical guise of a conqueror, and proceeded to preach a political sermon in a German church—General Allenby and his companions were on foot, and made no effort to impress the imagination of spectators. No effort was needed. The measures taken spoke and will speak for themselves.

"The British Military Governor has organized the supervision of the Christian Holy Places, and is keeping in touch with the representatives of the Latin and Greek churches. Around the Mosque of Omar has been placed a military cordon composed of Indian Muslim officers and soldiers, and the area within the cordon is under Moslem control.

No non-Moslem can pass this cordon without joint permission from the Military Governor and the Moslem in charge of the Mosque. At Bethlehem and on Rachel's Tomb guardians have been appointed, while the hereditary custodians of the Wakf, or Moslem Pious Foundations, at the gates of the Holy Sepulchre, have been requested to continue their duties in remembrance of the magnanimous act of the Khalif Omar, who, on taking Jerusalem, respected the sanctity of the shrine.

(Cont. on page 16)



Field Marshal (and Lady) Allenby The Deliverer of the Holy Land

man nation has become great and glorious. And what the German people have become, they became under the banner of the Cross, the emblem of self-sacrificing Christian charity. As nearly 2,000 years ago, so shall there ring out from Jerusalem the cry, voicing the ardent hope of all, 'Peace on earth.' The Emperor then renewed the vow of his ancestors. 'I and my house will serve the Lord'—and called upon all present to make the same vow."

A canting statement has been issued in Germany to the effect that the German and



## The Sailor Man at His Job on the Deep

How Three Sailors Save a \$200,000 Derelict Ship, Win \$25,000, and "Do Something for England"

HERE is a great tale of the sea which begins on the Atlantic in October and ends in the Law Courts in February.

"The courage and fine spirit and absence of physical fear displayed by these men command instant and unstinted admiration, and one likes to think that it is an illustration of the courage of British seamen on the waves."

So said Sir Samuel Evans, in the Admiralty Court, when making his award of \$25,000 to three seamen who saved the American tug *Vigilant*, which had been abandoned in the Atlantic by her master and the rest of the crew.

The three heroes were Robert Ferguson, second mate; Thomas Welch, greaser, and John Smith, fireman.

The *Vigilant*, a powerful ocean-going tug, of 1,200-h.p., was struck by heavy weather. Her captain decided to abandon the ship, as it had only 24 hours' coal on board and he thought could not last long. Ferguson determined to remain on board, and Welch and Smith decided to stay with him. The thirteen other members of the crew and the captain were taken off to the steamship *Rijndam*, and the three plaintiffs were left in the tug. Ferguson took the wheel, Welch went to the engine-room, and Smith to the engine fires.

### Something for England

An interview with these brave men in "Lloyd's" newspaper reveals the master motive which inspired Ferguson to his great deed. It was to do something for England.

"He knew something about Britain's need of ships in war-time. And he determined that he'd do his bit for the land of his fathers, and get that ship in, or die in the attempt.

"So, when the huge Dutch-American *But*, with its thousand souls aboard, came to the rescue, this splendid sailor stood at his post, with the waves of the wintry Atlantic climbing all about him.

"Better come along," insisted the officer in charge of the rescue party. Across the roar and whistling of the wind, through the showers of blinding spray, came two words:

"Nothing doing."

"That was all. The liner went her way, stumbling on through the storm. The tug was left alone.

"But I can tell you this," he said, "that I wouldn't have brought the *Vigilant* back for all the money in the world if the British Government didn't want her. That fetched me. I couldn't see myself getting aboard

that comfortable liner and striking the trail for New York with that little tug left to be battered to bits in the Atlantic. It seemed to me that here was a pretty good chance of doing something for England—and I guess I was glad to get it."

"Well, I guessed the boat was valued at something like thirty-five thousand pounds. Didn't seem to me good enough that she should be smashed to pieces when she

captain sent out S.O.S. signals when we were about 800 miles away from Queenstown. The gale grew still fiercer, and nobody ventured on deck without a life preserver. Huge seas swept over us, and the position looked mighty serious, so the captain put up distress signals and also wireless again for help.

"Our calls were picked up next morning by the Holland-America liner *Rijndam*.

The captain said he was going to leave the ship. I proceeded to obey orders.

"When I got down below and saw the crew with their life-preservers on I asked if anyone would volunteer with me to stay by the ship. I told them I had a master's licence and would bring her into port if it could be done. But not one was willing of the men standing there. So I went to the engineers and asked them the same. The chief said, "No; what is the use? Are you tired of living? Have some sense—you are merely throwing your life away." Then I said to an oiler there, "You said this morning you were no bar-room sailor. Now prove it and stay with me." Two of them consulted, and then Tom Welch, an Irish oiler, and John Smith, an American fireman, agreed to stay with me.

### A Cheer For Luck

"That evening the *Rijndam* came up and put off boats. We helped our men to get transferred. On the *Rijndam* resuming her voyage the passengers lined the deck and gave us a cheer for luck. With that we headed for Queenstown, with the glass still going down. By half-past six next morning the gale was at its height, waves 30 ft. high sweeping down on us and the wind going at 90 miles an hour. About nine o'clock an enormous sea boarded us, and did damage that jammed the rudder.

"Then from some cause the dynamo was knocked out of service, so I hove the ship to and made efforts to fix up the engine and the steering gear. A ship came along and I declined a line, but accepted the offer of being guided into Bantry Bay. On entering the bay the ship lost all sight of us, but I proceeded into the bay, and about 3.30 in the morning I saw broken water only about fifty yards ahead. I looked back of us, but there too was a reef. At last I managed to get the *Vigilant* into clear water. Then we went to Castletown, and later I took on board ten men, and we made Cardiff without further mishap.

Here are some other details which came out in Court:

(Cont. on page 16)



A British Sailor Who Has Made History and "The Coming Man"

might be bringing food to the kiddies in England, or sweeping mines or carrying munitions. It isn't for me to say why she was wanted by the British government. I knew that every ship was needed."

S.O.S.

Mr. Ferguson, a Glasgow man, told his own story of the voyage to a representative of the "Daily Mail." He said:

"We arrived at St. John, Newfoundland, from New York on October 17, and started again on October 22 with 17 men on board. We had dirty weather right through. The

# LINE FOR 1920

## *Ideal* SEPARATORS

The same features that for years have made it first choice with threshermen and farmers, will characterize the 1920 line of the "Save-all-the-Grain" Rumely Ideal Separator. One new size is added, however—the 28 x 48.

This gives a lineup of five models for 1920, ranging from 22 x 36 up to 36 x 60. It offers a size for every possible demand—from the small outfits for individual use to the big outfits that will meet the needs of the largest custom thresherman.

Farmers and threshermen everywhere recognize the superior characteristics of the Rumely Ideal Separator.

They know that the straw is kept constantly on the move *in a steady even flow* from cylinder to stacker, due to the exclusive Ideal design. No possible chance for bunching, clogging, winding or choking.

They know that it is this sound fundamental principle upon which the Ideal is built that is responsible for its now famous large capacity, complete separation and thorough cleaning.

They know that these exclusive features have made the Ideal the foremost separator on the market:

Patented traveling slatted chain rake  
and the largest grate surface of any  
separator built

Size for size, the longest straw rack of  
any separator built

Lifting fingers on straw rack instead of  
common shakers

Seven feet of extra chaffer length in  
grain pan, on larger models—smaller  
sizes in proportion

One-piece frame construction

All adjustments, oil and grease cups on  
the outside

The five sizes of Ideals for 1920 are—22 x 36, 28 x 44, 28 x 48, 32 x 52 and 36 x 60.

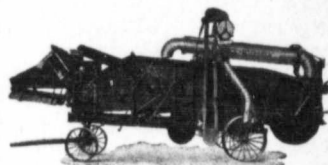
In most any section you will find a Rumely Ideal that is the oldest thresher in that district—running just as smoothly as it did at first, and cleaning the grain just as thoroughly.

These old Ideals offer conclusive evidence of that degree of proved efficiency and lasting qualities you need in *your* separator.

The new 1920 catalog is ready for mailing. Ask for your copy.

**ADVANCE-RUMELY THRESHER COMPANY, Inc.**

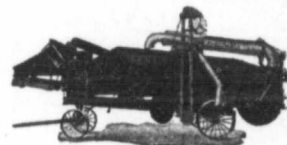
Calgary, Alta. La Porte, Indiana Regina, Sask.  
Saskatoon, Sask. 48 Abell Street, Toronto, Ont. Winnipeg, Man.



The 36 x 60



The 32 x 52



The 28 x 48



The 28 x 44



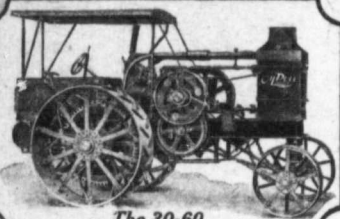
The 22 x 36



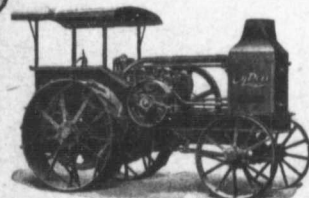
# ADVANCE-RUMELY

RUMELY  
**OILPULL**  
 TRACTOR  
 LA PORTE, IND.

## TRACTORS



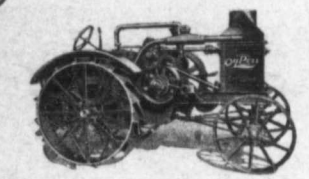
The 30-60



The 20-40



The 16-30



The 12-20

There is one big thing that farmers are asking for in a tractor today—dependable service at an economical cost.

Anyone at all acquainted with the tractor industry knows this.

There is one tractor above all others that has proved that it can give this kind of service—proved it over a number of years—proved it ever since the beginning of the tractor industry, and this tractor is the Rumely OilPull.

You buy OilPulls on performance—not promises.

Consider that "Old Number One," Number Nine, Number Eleven, Number Fourteen and other old OilPulls have been giving dependable service year after year for many years, and that they are still good for many more seasons of day-in and day-out work. There is no tractor built that can match these records of years of dependable, continuous service.

And OilPull economy is as remarkable as OilPull endurance. The OilPull is the only tractor that is guaranteed in writing to successfully operate on kerosene under all conditions, at all loads.

All OilPull tractors are oil-cooled. The OilPull was designed to be cooled by oil instead of water to increase efficiency and decrease trouble. No freezing or boiling over in extreme temperatures. No scale deposits in cylinders or radiator, no rusting of internal parts, no clogging of the circulating system.

Advance-Rumely puts quality first and always will—it believes in and practices the policy—"The life of a tractor, not price, determines its value." Remember, that in anything you buy "You get just what you pay for."

Among a few OilPull specifications of the 1920 models are:

- Guaranteed kerosene burner
- Two cylinder, low speed motor
- Two forward speeds and reverse
- Oil-cooled
- Low platform—short turning
- Patented shifting device for belt work
- Hyatt Roller Bearings
- Bosch Magneto
- Madison-Kipp Lubricator

For 1920, there are four sizes of this famous tractor—from a 3-plow to a 10-plow size, rated as follows:—12-20, 16-30, 20-40 and 30-60 H. P.

This gives you a wide range of selection. No matter how large or small your farm, there's an OilPull with proper power to fit it. And remember, all OilPulls have a 25% reserve power over their advertised ratings.

Back of OilPull quality, OilPull power and OilPull dependability is Advance-Rumely service. Twenty-nine factory branches, each equipped with a complete stock of machines, parts and an organization of trained experts, insure prompt and competent service within easy call of wherever you live.

The new OilPull catalog is out—a post card will bring you a copy.

ADVANCE-RUMELY THRESHER COMPANY, Inc.

Calgary, Alta.    La Porte, Indiana    Regina, Sask.  
 Saskatoon, Sask.    48 Abell Street, Toronto, Ont.    Winnipeg, Man.



## "LABOR"

As the Laborer Sees It



*This is the Intensely Human Statement of a Plain Working man—a Trades Unionist and the Father of a Large Family. The Editor Has Associated With Him—at Work—Practically Every Working Day for the Past Eleven Years. He Values the Contribution All the More Because of his Knowledge of the Man and His History.*

READERS of this magazine would hardly suspect from reading its editorials and leading articles, that the editor was gifted with much of what is known as the sense of humor. But he assuredly has his flashes of the ridiculous, and one of his comical ideas leads him to believe that a plain working man could write something interesting about Labor. Why, everything about labor has been written, and now labor has to work so that there may be less labor.

These are only a few ordinary words—by an ordinary working man, one who likes to work, and play and live; who likes to earn his pay and to receive it, and rejoices when the whistle blows at noon on Saturday, for then he knows there is a day-and-a-half ahead of him.

At home, as the spirit moves him, he will grumble and growl and act the capitalistic employer to his soul's content—with this difference: the principal part of the pay for services rendered is not in money but in love. And oh! the willing hands he can employ, the contented workers he bosses, the ingenuous atmosphere of co-operation he finds, just because the understanding between employer and employee is perfect.

The employee in this case knows exactly the extent of the employer's finances, and the employer is in no fear of impossible demands being made upon him.

On Sunday afternoon, the children having gone to Sunday School, he finds his quiet hour and sits down to enjoy a smoke—and to think.

Unrest everywhere! Prices of the necessities of life beyond his purse! Half educated boys want to leave school; younger ones want to go to school. Then the question of education crops up. Are our present methods of education in public schools right or are our children taught to honor wealth as the one and only way to command the esteem of their fellows?

Is eighteen the proper age for children to leave school, and if so how, without assistance from outside, are the majority of working men going to keep their children at school until that age; and should Civic, Provincial or Dominion Government give that aid?

Are the salaries of school teachers such as to entice men and women of sterling worth and special fitness for their job to come forward and help in building up Canada of the future?

Is it possible that in our cities such conditions as these exist?

"It is a common practice with parents in those parts of the city where the

homes are small and the families large, to have their children reared on the street. As soon as the babe is born it is sent out in a baby carriage or child's express wagon on to the street, and is cared for in school hours by a child too young to go to school, and after school by an older child.

The men who advocate a better distribution of wealth and that labor is entitled to a just share of the proceeds of production, are at least honest enough to come out in the open and declare their opinions.

We may not agree with them, but how many of their bitter opponents are honest enough to come out and state frankly their opinion and desire, namely, that the poor should remain poor and the ignorant remain ignorant so that profits shall not be disturbed?

Real men there are in the ranks of employers, as well as in the ranks of labor, but the "reds" on both sides have locked horns, and until they are separated, unrest and dissatisfaction will be the lot of both employer and employee.

The real labor man, believing that co-operation is possible, is more than willing to meet the employer who is of the same mind; but the employer will have to make the first move for the reason that, in the past, the labor man has had to fight, and fight hard, for practically every inch of improvement in his condition that has come to him.

The "square deal" all round is what is wanted. A real partnership with both parties, realizing that industry is a responsibility not to be reckoned in dollars and cents but by the welfare of the community, the welfare of the state, and the good of the great world of humanity at large.

Neither capital nor labor have a place anywhere for "reds" who believe that force is the only means whereby a solution of their difficulties may be attained.

Collective bargaining must be recognized on the one hand, and sympathetic strikes forbidden on the other. And just at this point this working man is roused from his pipe-dream, for he had gone to sleep and dreamed his waking thoughts.

The happy voices of the children home from Sunday school have awakened him, and once again the world is bright. Hope springs into new life at the sight of those dancing eyes! The world is a good place to live in after all! The working man is blessed in that he usually has a large family. If at times it is "hard sledding" to get all he would like for his growing flock, he still has pleasure in the knowledge that at least he can plant some seeds in their young minds—seeds that may help in the future to make this world something he but dreams of at present; to make Canada in very truth the Canada of his dreams—

*"Where man to man  
The world o'er,  
Shall brothers be  
For a' that."*

## The Kindly Plan

*The curtain closes on the piteous past,  
The havoc, and the horror, and the hate:  
To-morrow nestles in the arms of Fate:  
Time's grand kaleidoscope is shifting fast!  
We need of faith as well as toil and prayer,  
Envisioning the glory yet to be;—  
Heroic hope that conquers gaunt despair;  
And crowns the freedom that is richly free:—  
The gracious, princely act, the kindly plan:  
The mutual help, and trust of man in man.*

Frederic Irving Taylor

"Once the babe is old enough to walk, he is turned out of the wagon or carriage to make room for another addition to the family and made to toddle on the sidewalks and streets from early morning till late at night, where he associates with all the boys and girls of all ages in the neighborhood, all of whom are being brought up in the one community herd on the street."

Is it true that obedient children to-day are rare? Are they wiser in sin at sixteen than their parents at thirty? What are the parents' responsibilities if such is the case?

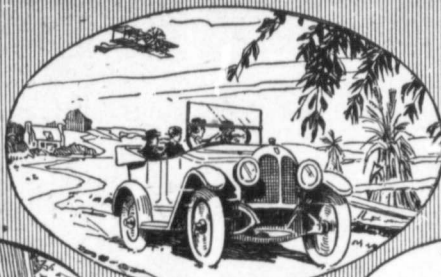
How far is the Government responsible in its slackness in prosecuting abortionists and permitting the sale of poisonous drugs to prevent the processes of nature? There is the finding of murdered innocents in the sewers and the purloins of our cities, tales of "illicit love," "affinities," "soul mates," and the unspeakable tragedies of the divorce court. What is the cure for all those "diseases"?

Are the children of to-day getting a square deal alike from capital and labor in the exceedingly bitter and senseless fight now being maintained by those two parties who ought never to have been out of harmony?

Will the next generation grow up believing that there is no such thing as co-operation possible between the two; that the fight must go on until one or other of the contestants is master and dictator of the situation?



**En-ar-co**  
PETROLEUM PRODUCTS



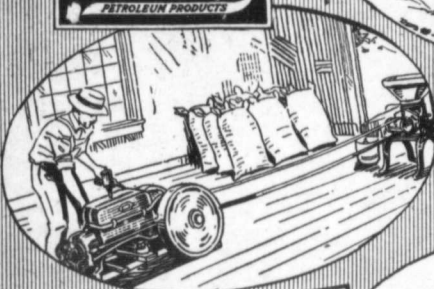
Lubricate your automobile and aeroplanes with En-ar-co National Motor Oil.



**En-ar-co**  
PETROLEUM PRODUCTS



Lubricate your tractor and other motor power farm machines with En-ar-co National Motor Oil.



Lubricate your stationary engine with En-ar-co National Motor Oil.



Lubricate your motorboat and other motor power craft with En-ar-co National Motor Oil.

# Use En-ar-co National Motor Oil

Get More Power and Longer Wear From Your Motor

In any climate, at any temperature, at any speed, up grades, or over any roads En-ar-co insures full power and longer wear from your motor.

This scientifically refined oil forms a soft velvety cushion or film that protects all moving parts against friction. And it does this with the least possible carbonization.

## En-ar-co Quality Never Varies

Year after year the high quality of En-ar-co is the same. It never varies. When you buy En-ar-co you KNOW you *always* get the finest quality oil.

Try En-ar-co National Motor Oil, and other En-ar-co products. Then you will be convinced. If your dealer cannot supply you, write us.

Only by using best materials, the most modern equipment, exact formulas, rigid tests, and by scientifically refining is such uniformity of quality possible.

### All En-ar-co Products Excel

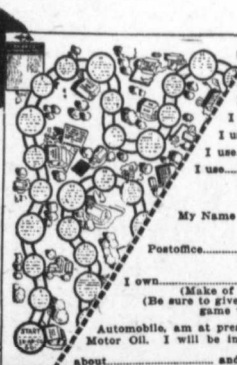
White Rose Gasoline for greater power. National Light Oil for Tractor fuel. Also best for lamps, oil stoves and incubators. En-ar-co Motor Grease for every lubrication point around the motor car or tractor. Black Beauty Axle Grease for wagons. Always look for the En-ar-co trade-mark!

Made in Canada by  
**Canadian Oil Companies, Limited**  
Toronto, Ontario

Branch Offices in thirty-five cities

This Game  
**SENT  
FREE**

Send in the coupon for the En-ar-co Auto Game. It will be sent you absolutely FREE. A fascinating game in which autos compete in a cross country race. Write for it today. Remember it's FREE.



CANADIAN OIL COMPANIES, LIMITED, 1880 Excelsior Life Bldg., Toronto, Ont. Send me your En-ar-co Auto Game free. Enclosed find three-cent stamp to partially cover postage and packing. Also give nearest shipping point and quote prices on the items I have marked.

- I use.....gals. Gasoline per year
- I use.....gals. Motor Oil per year
- I use.....gals. Kerosene per year
- I use.....gals. Tractor Oil per year
- I use.....lbs. Motor Grease per year
- I use.....lbs. Axle Grease per year

My Name is.....

Postoffice..... Province.....

I own (Make of Automobile or Tractor).....  
(Be sure to give make of auto or tractor or game will not be sent)

Automobile, am at present using.....  
Motor Oil. I will be in the market for more oil again about..... and you may quote me on..... gallons En-ar-co National Motor Oil



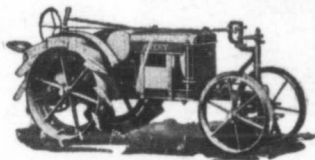
8-16 H. P.  
Avery Tractor

12-25 H. P.  
Avery Tractor

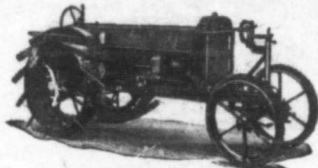
14-28 H. P.  
Avery Tractor

# “Just See the

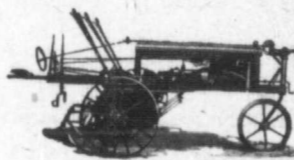
The Avery Line includes  
the popular six sizes of tractors, 8-16, 12-25, 14-28, 18-36,  
25-50 and 40-80 H. P., and the following machines:



Avery Special Model "B"  
5-10 H. P. Tractor



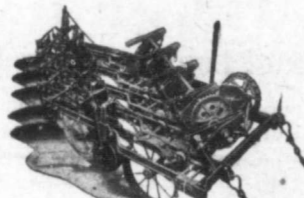
Avery 6-cylinder Lightweight  
Tractor, Model "C"



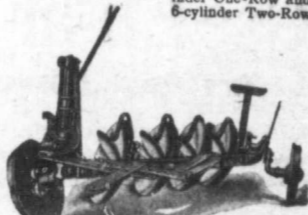
Avery Motor Cultivator—two sizes—4-cyl-  
inder One-Row and  
6-cylinder Two-Row



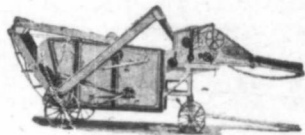
"Power-Lift" Rigid Beam Light Tractor  
Plow—2, 3, 4 and 5 Bottoms



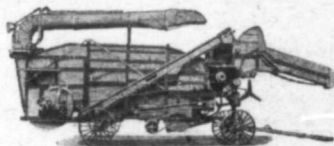
"Self-Lift" Independent Beam—  
3, 4, 5, 6 and 8 Bottoms



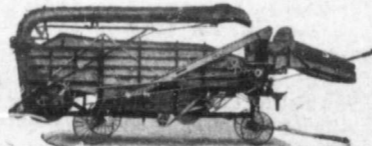
"Power-Lift" Disc Plow—  
2, 3, 4, 5, 6 and 8 Discs



Avery Lightweight Individual  
Thresher, 22 x 32 in.  
Roller Bearing Equipped

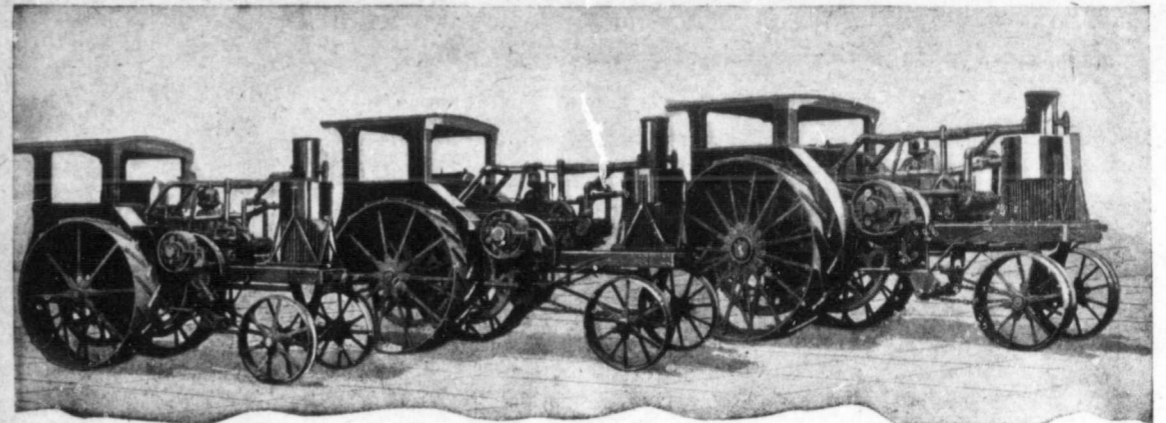


Avery "Yellow-Kid" Thresher, for Individ-  
ual and Small Runs, 20 x 30 and 24 x 36 in.  
Roller Bearing Equipped



Avery "Yellow-Fellow" Thresher, for Farmer-  
Company and Custom Work. 28 x 46, 32 x 54  
and 36 x 60 in. Roller Bearing Equipped

In addition the Avery Line includes: Power Operated and "Self-Adjusting" Tractor Disc Harrows; "Power-Lift" Tractor Grain Drills; Tractor Hitches for Two and Three Disc Harrows and Drills; Single and Double Row "Self-Lift" Listers; Silo Fillers; Tanks for Fuel, Water and Combination; Portable and Skid Motors.



18-36 H. P.  
Avery Tractor

25-50 H. P.  
Avery Tractor

40-80 H. P.  
Avery Tractor

# Avery Line for 1920

*THE Avery Line includes not only tractors for any size farm and every kind of work,  
but also a complete line of tractor drawn tools and tractor belt-driven machinery.*

### "It Pays to Averyize"

Averyize *all* your farm work and by so doing raise bigger crops at less expense. The complete Avery Line answers all your power farming requirements. In the Avery Line there is a size Avery Tractor to exactly fill *your needs, your size farm and your pocketbook.*

Then if you desire tractor drawn machinery such as tractor disc harrows and grain drills, plows of all kinds, etc., you can get them in the Avery Line, specially built for use with a tractor and operated from the tractor platform, so that they are all *one-man outfits.*

Or if you desire tractor belt-driven machinery we have a silo filler and complete line of Champion "Grain-Saver" Threshers. A special little lightweight Thresher for individual use; two sizes of "Yellow-Kid" Threshers for individual, farmer-company and small runs; and three sizes of "Yellow-Fellow" Threshers for large runs and custom work. *All are Hyatt Roller Bearing equipped.*

No matter what your power requirements are, you can answer them with Avery machines. When you get an Avery you get a machine that is backed by an organization with satisfied customers in every state in the Union and 63 foreign countries. Also you are assured prompt and permanent service.

### Write for the Avery Catalog

and interesting Tractor "Hitch Book." Contains many valuable suggestions for the satisfactory operation of tractors, tractor drawn machinery and tractor driven machinery. Two books mailed free.

CANADIAN AVERY CO., LIMITED

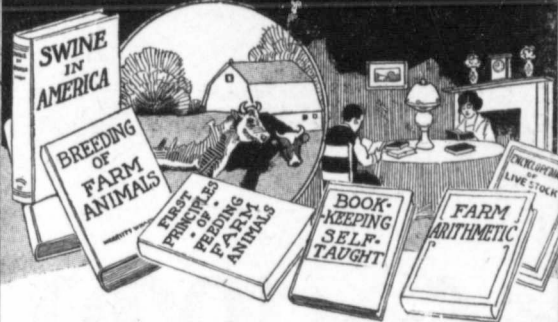
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# AVERY

Motor Farming, Threshing  
and Road Building Machinery

# The ROAD TO BIGGER THINGS



The Road to Bigger Things in Farming is not only the secret of making two blades grow where only one grew before, but the secret of cultivating and harvesting those two blades at a smaller cost and effort than one now requires.

The Canadian West is large. Land is easy to procure, but is the largest farm always the best paying farm? The best paying farm in our estimation is the one that is operated on a business basis from each and every standpoint.

The books herewith described and illustrated tell of the experiences of reliable authorities on the subjects mentioned. Why not profit by these experiences—put your farm on a real business basis to-day? The dollar invested to knowledge is one you will never regret having spent.

**Swine in America**—Every phase of hog raising is considered from a practical standpoint, containing the latest contributions to the science of raising hogs.  
8122502—Price.....\$2.40

**The Breeding of Farm Animals**—Useful information concerning the breeding of farm animals, special emphasis is placed on the care and management of parent animals.  
8122509—Price.....\$1.40

**First Principles of Feeding Farm Animals**—The fundamental and first principles of feeding farm animals, explaining fully both the science and practice of this important subject.  
8122508—Price.....\$1.40

**Book-Keeping Self-Taught**—The farmer does not have to worry about his tax returns. Book-keeping can be made very simple and still give all the information you should know.  
8122542—Price.....\$1.00

**Farm Arithmetic**—It pays to keep yourself alert. Cultivate the simple habit of working at arithmetic for 5 minutes each day. The questions and answers are all practical for the farm.  
8122541—Price.....\$1.00

**Farmers' Cyclopedia of Live Stock**—Reliable information on the care of farm animals and all the business features of the stock industry. 768 pages (9 1/2 x 9).  
8122500—Price.....\$4.50

**Soils and Crops**—Each lesson contains 15 paragraphs that lead from the simple and lead to the complex in farming.  
8122516—Price.....\$1.40

**The Book of Wheat**—A complete study of everything pertaining to wheat. Its qualities, culture.  
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**Farm Development**—How to break the land, how to drain and irrigate, how to build fences, bridges, roads and fences.  
8122515—Price.....\$1.50

**The Modern Gas Tractor**—Its construction, operation, application and repair.  
8122522—Price.....\$2.00

**Dyke's Automobile and Gasoline Engine Encyclopedia**—Latest edition just off the press. Simple, thorough, practical. 940 pages.  
8122518—Price.....\$4.00

**Dyke's Motor Manual**—All about motor tractors, automobiles and motors.  
8122519—Price.....\$2.00

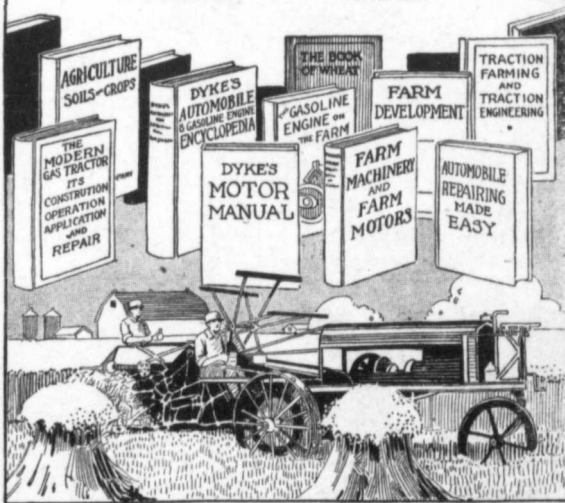
**The Gasoline Engine on the Farm**—The construction, repair, management and use of farm machinery.  
8122523—Price.....\$2.00

**Farm Machinery and Farm Motors**—Machinery is no expensive these days that this book easily pays for itself in a few days.  
8122525—Price.....\$2.00

**Tractor Farming and Traction Engineering**—A practical handbook of farm engines and farm machinery.  
8122524—Price.....\$1.50

**Automobile Repairing Made Easy**—Over 1,000 pages of scientific, practical advice.  
8122521—Price.....\$3.00

**T. EATON CO. LIMITED**  
WINNIPEG CANADA



## GREATEST DRIVING FORCE

(Cont. from page 6)

may interest you to know that, with a few other men in Great Britain, I strongly advocated the proposition that no child should be compelled to attend school if that child was hungry. What was the result?

"The greatest opposition we had came from the church and the clergy because, what we proposed, would be 'interfering with the parental responsibility of the child.' I am glad to know, however, that these men are all converted now, and are among my staunch supporters.

"I want to say that you men and women here are the architects of Canada's destiny. Whatever our future will be depends, not on the financier and millionaire, but upon the child, who is the only lasting asset in any state."

## THE BRITISH NAVY, ETC.

(Cont. from page 8)

### Such News Travels

"News travels fast in the East, and we imagine that the tidings of the entry of the British Commander and his Allied Staff into the Holy City, as of the just and tolerant spirit that has informed his dispositions, quickly spread through every Oriental bazaar and community and raised to its highest pinnacle the credit of the Allies and especially the prestige of British character.

"Equally happy are the words of the proclamation addressed by General Allenby to the inhabitants. It announces the maintenance and protection, 'according to the existing customs and beliefs,' of every sacred building, endowment, holy spot, shrine, traditional site, pious bequest, or customary place of prayer, of the 'adherents of three of the great religions of mankind,' by whose prayers and pilgrimages the soil of Jerusalem has been consecrated for many centuries.

"To see in this attitude on the part of the British commander a mere calculation of political expediency would be gravely to misread and seriously to underestimate its significance. In its essence it is a vindication of Christianity. At a moment when Christendom is torn by strife, let loose through the apostate ambitions of those who have returned in practice to the sanguinary worship of their 'old German god,' it stands forth as a sign that the righteousness and justice that are the soul of Christian ethics guide Christian victors even in the flush of triumph."

### The Jews' Joy

The Chief Rabbi in England has well expressed the Jews' thanksgiving that Jerusalem is

redeemed from the hands of the worst of infidels—who is not the Moslem, but the Judas of Christianity, the pagan Christian whose hands this Christmas are dyed with the blood of the nations of Europe.

"The occupation of Jerusalem," said the Chief Rabbi in an address to the King, "following so closely upon the epoch-making declaration of your Majesty's government on Palestine as the national home for the Jewish people, causes the hearts of millions of my brethren throughout the world to throb with deepest gratitude to Almighty God, who alone doeth wondrous things.

"The House of Israel, that for 2,500 years preferred Jerusalem above its chief joy, fervently rejoices that everywhere the heroic efforts of your Majesty's forces have been crowned with complete and lasting success."

## THE SAILOR MAN, ETC.

(Cont. from page 9)

The master, on leaving, expressed to Ferguson his opinion that the latter stood no chance of taking the vessel into port, adding that if he succeeded in doing so he would deserve both her and a gold medal. Before this the weather had been so boisterous that the whole of the crew had been working with life-belts on.

The liner having proceeded on her way, the Vigilant was put on a course for Cape Clear, Ireland. With a view to giving her more stability, the tanks were filled with sea water. At midnight the gale increased with fierce squalls and high following seas.

### Compliments in Court

Mr. Laing, K.C., who conducted the men's case to such a satisfactory end, said the story was one which ought to live in the memories of mariners who talked about such things and discussed deeds of daring at sea. These men staked their lives, all they had to stake, and had won the stakes they played for. They had grasped the opportunity of their lives to make a substantial sum of money. There could not be a finer example of real salvage service.

The ship would have gone to certain destruction except for what these men did. Sunday, October 29, was well known to everybody in the Admiralty Court as the date of one of the fiercest gales of recent times.

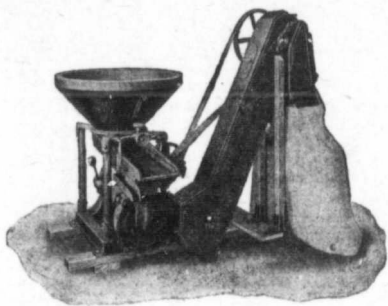
It would be interesting to hear what the captain and the crew who abandoned the ship said when they heard how the ship was saved and the sequel in the Admiralty Court.

It should be noted that these brave men were not afraid even of all the German submarines. They didn't see any.

# You Wouldn't Plant Whole Potatoes

AN ADVERTISEMENT FOR

## Vessot Feed Grinders



**P**LANTING whole potatoes would be an expensive waste of good seed. You raise just as good a crop by cutting each potato into several pieces of about 2 ounces each, each piece having one or two healthy eyes. In this way one potato furnishes seed for a number of hills.

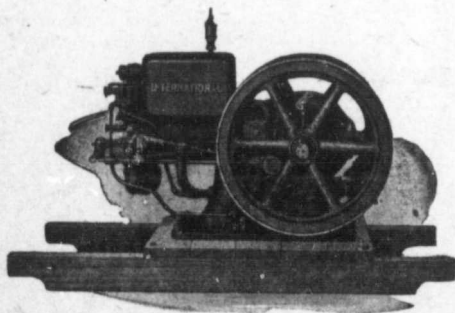
Feeding whole grain or shelled corn to your stock is just like planting whole potatoes—there is a great deal of unnecessary waste because much of the grain is not masticated and goes through the intestinal tract of the animals undigested.

A **Vessot Feed Grinder** will make your feed go from 12 to 35 per cent further than if fed whole, because it "chews" the grain for the stock so that it is easily digested and there is no waste. "Vessot-ground" feed means that you are getting 100 per cent value for it through its ready conversion into butter fat, beef or horse power.

Vessot grinders are heavy and compact, being built to withstand hard work. They are so simple in design and operation that any farmer can operate one with excellent success—you don't have to be a miller. And you cannot find another grinder with plates that will equal the genuine "Vessot." The plates are the most important part of any grinder. The builders of Vessot grinders challenge the world to produce a plate that will WEAR and GRIND like "Vessot."

You will need a grinder in the coming months. Let us send you a descriptive pamphlet telling you all about the Vessot. Write the nearest branch.

## International Kerosene Engines



**T**HE farm demand for small engines is growing rapidly. Engine power appeals to every farmer. We offer reliable kerosene International engines at prices any man can afford. Sizes are 1½, 3 and 6 h.p. The International is a high-grade engine, has magneto ignition for both starting and running, uses cheap fuel, is simple in design—good dependable farm power that any farmer or his wife can quickly learn to handle and that furnishes steady power economically. Here is reliable power for Vessot Grinders. Write for pamphlet.

## INTERNATIONAL HARVESTER COMPANY OF CANADA LTD.

WESTERN BRANCHES — BRANDON, WINNIPEG, MAN., CALGARY, EDMONTON, LETHBRIDGE, ALTA.,  
ESTEVAN, N. BATTLEFORD, REGINA, SASKATOON, YORKTON, SASK.  
EASTERN BRANCHES — HAMILTON, LONDON, OTTAWA, ONT., MONTREAL, QUEBEC, QUE., ST JOHN, N. B.



# THE CANADIAN THRESHERMAN AND FARMER

CANADA'S LEADING AGRICULTURAL MONTHLY



PUBLISHED MONTHLY BY

E. H. HEATH COMPANY, Limited - - - WINNIPEG, CANADA

MEMBER CANADIAN PRESS ASSOCIATION

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AUTHORIZED BY THE POSTMASTER GENERAL, OTTAWA, CANADA, FOR TRANSMISSION AS SECOND CLASS MATTER

Dec.

## The Science of Christmas

1919

### OUR GUARANTEE

No advertisement is allowed in our Column until we are satisfied that the advertiser is absolutely reliable and that any subscriber can safely do business with him. If any subscriber is defrauded, E. H. Heath Co., Ltd., will make good the loss resulting therefrom, if the event takes place within 30 days of date advertisement appeared, and complaint be made to us in writing with proofs, not later than ten days after its occurring, and provided, also, the subscriber in writing to the advertiser, stated that his advertisement was seen in "The Canadian Thresherman and Farmer." Be careful when writing an advertiser to say that you saw the advertisement in "The Canadian Thresherman and Farmer."

THE Science of a thing is the organized sum of its proved facts. In the science of baking, for example, one knows that in order to obtain a good loaf it is necessary to introduce yeast or its equivalent in chemical properties. There is a science of Christmas just as surely as there is a science of baking, or astronomy or "mixed farming," and one of the fundamental facts in the science of Christmas is Goodwill. Goodwill is as necessary to the realization of Christmas as oxygen is to the realization of water. Another of the fundamentals of Christmas is Peace. These two are generally spoken of in the reverse order—Peace and Goodwill—but you cannot have Peace till you make terms with Goodwill.

Goodwill has had a sorry time of it just lately. Like sugar and coal there has been created a world shortage that has hit everybody.

And the shortage of Goodwill is due to exactly the same cause as the coal and sugar scarcity—human cussedness. There's abundance of the elements of sugar and coal on the earth, but for certain reasons the workers in the human hive whose job it is to render the sugar and dig the coal have got the sulks and won't work. Of Goodwill there's an inexhaustible supply on tap, but on account of a sourness having invaded the hive, many of the old workers are not working at it, or they've turned on the wrong tap.

Dr. Lyman Abbot points out that the laws of the bee-hive are not imposed on the bees by the beekeeper. They are wrought by the creator of the bees in their nature. And the laws of the human hive are not made by the men who inhabit it. They are written by man's creator in the nature of the human soul. Conformity to the laws of the social order which have been wrought by the Creator in the souls of men is the secret of justice, liberty and peace. The saying "The people can do no wrong" must be scrapped as we have scrapped the saying "The King can do no wrong." The infallibility of the majority is no better than the infallibility of kings.

Statesmen will not give peace to the world by a blind acceptance of the formula, "The self-determination of the

people." Consent of the governed does not make the government just. The consent of the governed may make the community contented. It may give the community peace and a certain degree of prosperity, but government is just when its laws conform to the eternal laws of the moral world. There are laws of the social order and the community that obeys them is prosperous and happy. Whenever these laws are set aside tragedy is the result. Some would have it that we are on the brink of tragedy to-day, but we do not share that fear: we have put all our money on the other horse.

Dr. L. P. Jacks says that the sense of our entanglement will "throw us back on the great simplicities and on the mother truths—where great ideas are born—the everlasting value of personal relations." Had we nothing but the wisdom of this world to guide us as it comes through the reasonings of philosophers, the doctrines of economists, the speeches of statesmen and the literature of reform, then the difficulty of it all would be overwhelming. But there is another wisdom far removed from all this, the wisdom of Nature in her calmest and holiest moods, the wisdom of the loyal heart, the flame of love that glows in simple souls. "I have come to believe," says Dr. Jacks, "that the man who is beloved counts far more as a builder of God's kingdom than a thousand who are acclaimed and voted for and lifted high on the tottering pinnacle of fame."

How ridiculous is that party wall of ill-will which human stupidity has erected between capital and labor! When the capitalist and the laborer haven't so much as a bathing suit between them, which is which? Fact is we are morally at a deadlock. Our first need is to get in actual touch with an ideal to which in spite of hereditary differences we can all live and work for; and if a key word is wanted to express that idea, what do you think of "Justice?" We are all endowed with besetting sins, and few of us are without a few besetting virtues. Let's give the Good Will virtue a "month's trial," keeping it busy during that period of probation, and we'll meet again say this time next month.

### SUBSCRIPTION RATES

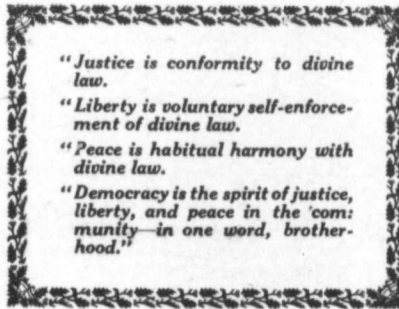
Postage prepaid  
Canada and Great Britain  
\$1.50 per Year  
Two Years—\$2.90  
Five Years—\$4.90  
Single copies 15 cents  
Postage prepaid  
United States and Foreign Countries  
\$2.50 per Year

All Subscriptions must be paid for in advance. The address label shows the date on which subscription expires. A label reading: Jas. Brown, 1-21, would show that Mr. Brown's subscription expired January, 1921.

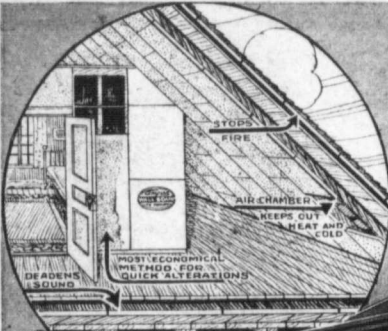
If your first issue has not arrived, or if the date on your address label is not changed within three weeks, please write

"The Canadian Thresherman and Farmer" at once. In giving new address, be sure to state also your old address.

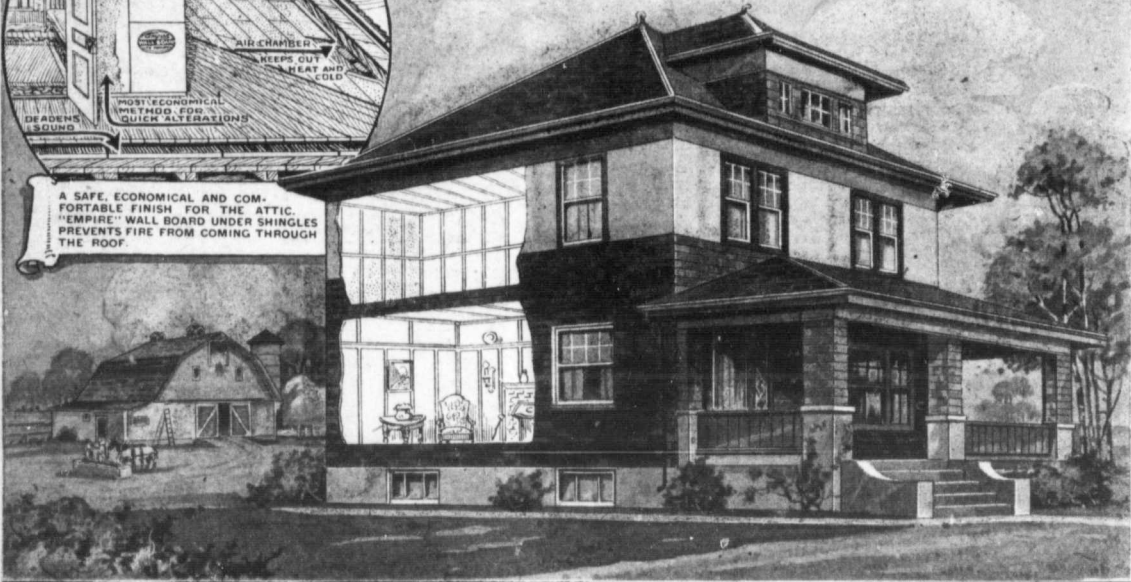
Advertising copy in order to secure good position should be in our hands not later than the 15th of the month preceding date of issue.



# Protection



A SAFE, ECONOMICAL AND COMFORTABLE FINISH FOR THE ATTIC. "EMPIRE" WALL BOARD UNDER SHINGLES PREVENTS FIRE FROM COMING THROUGH THE ROOF.



The delivered prices stated in this advertisement are good at any point in the province for which they are set, and if you cannot purchase locally, at the price indicated, write the nearest of the following dealers in your province or the Manitoba Gypsum Company Ltd., Winnipeg, and your order will receive prompt attention:—

- SASKATCHEWAN**
- Regina..... MacKenzie Supply Co. Ltd.
  - Moose Jaw..... Whitlock-Marlatt Ltd.
  - Saskatoon..... MacKenzie & Thayer Limited
  - North Battleford..... North Battleford Mfg. Company Ltd.
- ALBERTA**
- Calgary..... Mr. G. Silvester
  - Edmonton..... Foucher's Building Supplies Ltd.
  - Camrose..... Manning-Sutherland Lumber Co. Ltd.

Protection for your buildings from the greatest danger that threatens them—fire. And protection in a real sense when Empire Wall Board is used for roof sheeting, as shown in the above illustration. Fire might burn all the shingles from the roof and still be prevented from penetrating to the interior. In many cases of fire the actual property destroyed is often the smallest loss. It is satisfying to the builder to know that for no extra cost, life, as well as property, may be protected.

Protection from the extremes of climate. The perfect insulating qualities of Empire Wall Board afford absolute protection from cold and heat alike. The materials and construction used in its manufacture are an assurance of its effectiveness. In addition it is sound-proof, rodent and vermin proof.

Combining as it does all these qualities, it is particularly adapted for every form of construction. Whether it is used to completely finish the interior—as well as under shingles and siding—or only needed for minor changes, it is easily handled, sawn and applied, forming a good, durable and serviceable wall that may be decorated as desired.

For use in alterations and particularly for the finish of attics (as shown above) it often provides the solution of the problems of many who find their homes inadequate for winter comfort. The room finished with Empire Wall Board will be attractive and comfortable—a creditable adjunct to your present building.

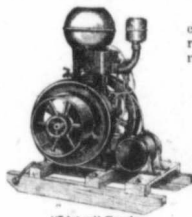
Protection for the pocket-book is also afforded the purchaser of Empire Wall Board. In order that you may secure this board at a price that makes it an incomparable value, the cost to the consumer has been fixed for each of the prairie provinces: Manitoba, \$44.00; Saskatchewan, \$45.00; Alberta, \$46.00 per thousand.

Manufactured by  
**Manitoba Gypsum Company Ltd.**  
 Winnipeg, Manitoba

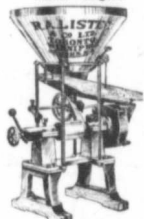
# Empire Wall Board

# Lister Quality Marks Every Farm Machine

The exceptional, satisfactory service rendered the farmers of Canada by thousands of Lister machines of all types, stamps them as products of outstanding merit. The consistent performance of Lister machines is made possible by standards of manufacture that are a guarantee of perfection in the finished article. Tested materials, advanced designs (which include many exclusive patents), improved methods and expert workmanship, combine to make Lister machinery the standard of quality. "Built-in" value best proves its presence through a ready response to every demand for consistent and capable performance.



"Lister" Engine



"Lister" Grinder 8'-9 1/2"-10 1/2"

The Lister grinder is guaranteed to do more work under equal conditions than any other grinder manufactured. It is strong, light running, and easily operated. The kind of machine that every user recommends.

"Lister-Bruston" direct connected and belt-driven lighting plants are the only completely automatic lighting system. A turn of the switch gives light at any time. The plant is automatic, starting and stopping by simply turning the lights on or off from any switch. A mistake-proof machine that won the praise of the British Admiralty for its war service.

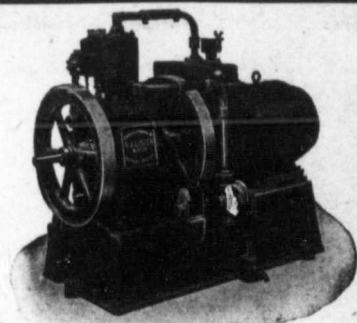
The Lister Engine needs no recommendation to Western farmers. Wherever there is one in operation there is proof of every claim made for it. Completely enclosed with a special oiling system that requires oil to be supplied at the base only; it cannot take harm from dust or dirt. The magneto is of our own manufacture and was used extensively in the British war services, which is sufficient guarantee of its excellence.

Melotte and Premier cream separators are sold in every corner of the globe—nearly 100,000 now in use in Canada. The range of models and sizes affords a selection that provides a machine suitable for every need from the small to the largest dairy—6 models and 15 sizes.

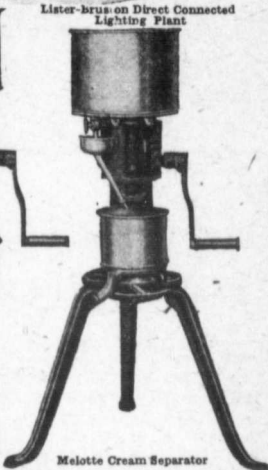
Write Dept. C.T.F. for catalogues and information on any of the above machines and milking machines, churns, ensilage cutters, silos, sawing outfits, pumps, pump jacks, power pumping outfits.

R. A. Lister & Co. (Canada) Ltd.

WINNIPEG, CANADA



Lister-bruston Direct Connected Lighting Plant



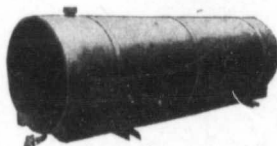
Melotte Cream Separator



Order NOW

and

Avoid Delay



**Oil Wagon Tanks are in demand because they have proved their worth in service**

The difficulty of getting raw material will limit the number available for delivery during the next six months. Orders will be entered for filling according to the date of placing.

Enter your order now for one of these serviceable containers at the reasonable price asked and avoid any delay in delivery when you will need its help in your spring work.

Delays Are Dangerous Act To-Day

**Winnipeg Ceiling & Roofing Co. Ltd.**

Makers of Oil Barrels, Stock Troughs, Corrugated Iron, Etc., Etc.

WINNIPEG REGINA CALGARY EDMONTON

## Tractor Service

(By One Who Has Experimented)

LET no farmer without skilled knowledge in regard to motor matters imagine that, in purchasing the very best tractor, he has done all that can be done to secure satisfactory service. There are other factors to be taken into account. The first idea that will occur is that, of course, a mechanic will be necessary to run the machine. In fact, however, a mechanic is not necessary, and a man who will do just as he is instructed and no more will often obtain better average results. The man who considers he knows all about engines will sometimes be inclined to tinker with the machine and upset adjustments which are better left alone.

Personally, I have obtained quite the best results from a bright, alert, handy man at general farm work with no practical experience as an engineer. An agriculturist whose name is much in the papers, and who has been a consistent user of tractors for many years, confirms this experience and states that he has had the greatest satisfaction from farm hands with no previous

motor knowledge who have been taught to drive the tractors.

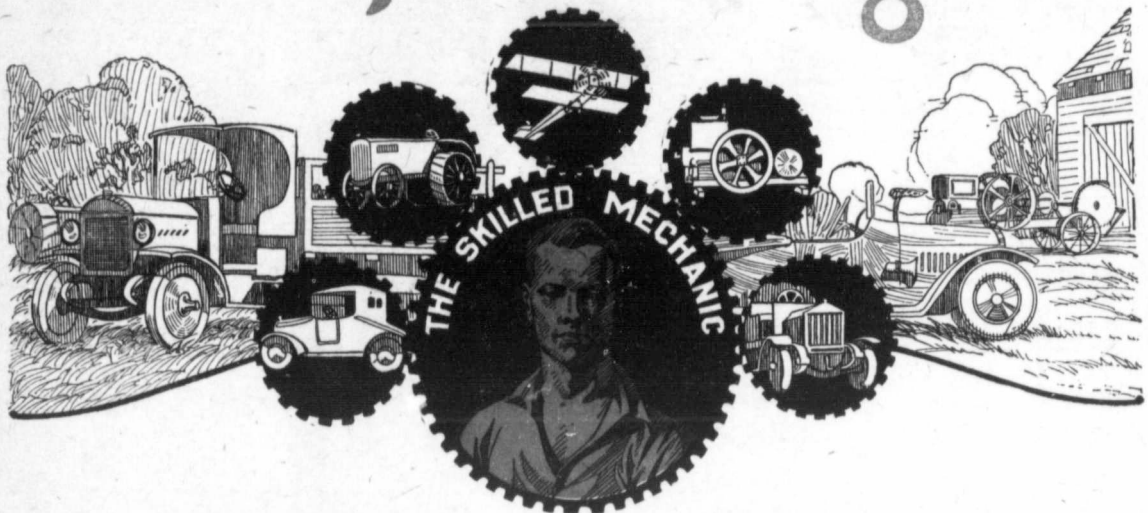
The truth is that learning to handle a tractor is a much easier and quicker process than learning what it is necessary to know about the land itself. In other words, it is easier to make the farm man into a tractor driver than to make a mechanic into a practical farm hand.

There must be skilled knowledge available in cases of emergency, and this skilled knowledge should be supplied by the dealer from whom the farmer purchases his tractor. The great point for (Cont. on page 22)



Mrs. Lighorn: "Why Don't You Get Up, Henry, and Offer the Lady Your Seat?"

# Be an Expert Gas-Engineer



## The Skilled Mechanic is the Main Cog in the Industrial Life of To-Day

Have you ever looked in the "Help Wanted" column of a trade journal or newspaper and wondered why positions are always open for the gas engine expert? There can never be an over supply of such men because there are a thousand engines manufactured to every man who learns the trade of keeping them running. Do you like to "monkey around" machinery? Does your hand itch to get on the throttle of an auto-truck, tractor or automobile? Would you like to know how to properly repair every engine on your own or the other fellow's farm? Would you like to be a tractor engineer? Would you like to be able to vulcanize and repair tires, or understand batteries and their upkeep. All these things are possible to the man who places himself in our hands for a few weeks' time. This is the season for new resolutions. Decide now to be a trained man. Start the New Year right. The coupon will bring you full particulars regarding the trade you are interested in. You alone can take the initiative.

## Hemphill Practical Trade Schools

can give you a training in a few weeks that will put you on the path of bigger positions, more money, greater independence and comfort for the rest of your life.

### Owned and run by a remarkable family---Father and Seven Sons

The great Hemphill chain of practical trade schools is no one-man affair. Mr. R. E. Hemphill, Sr., and his seven sons are all experts and master instructors. Every school in the Hemphill chain has its own "Mr. Hemphill" at its head. Under the guidance of these competent owners, master mechanics and experienced teachers make special studies of every pupil in their care. Every pupil must be satisfied with his learning before we are. The Winnipeg school has been running fourteen years. Principal cities in Canada and United States either now have, or will, in the near future, have their own Hemphill schools. Thousands of successful students testify to the careful individual instructions they received at our hands. There is no reason why you cannot become an expert in some trade between now and early next spring.

### A Master Mechanic Teacher for every trade taught --- Equipment complete in every detail

Each Hemphill School has been greatly enlarged and remodelled. Many thousands of dollars' worth of engines, cars and tractors have been installed in our chain of Motor Schools since last spring. Scores of Magnetos, Electric Generators, Starters, etc. A full staff of master mechanic teachers employed and the most practical simple and thorough system of training ever employed in teaching this work.

Schools will remain open Christmas week—closing only Christmas Day and New Year's Day

### Other Hemphill Trades assure Students of big pay and steady jobs

In selecting the courses for our schools, only those which would guarantee our pupils steady, year-round, profitable positions were considered. No trade which does not give a man 12 months' employment in a year should be good enough for a healthy, normal man. On the coupon you will find the various courses — auto-tractor engineering — tire repairing and vulcanizing — oxy-acetylene welding — battery work and repairing — barber trade — telegraphy and railroad — moving picture operating. There is a trade here that will make a better man of you—or a better woman of you. When you send in the coupon, check the trade you think you will like best—we'll tell you all about it. There is no time limit in any course. You start when you can—and finish when you can.

### This Coupon Brings Beautiful Free Catalog

There are far more benefits accrue from taking a Hemphill course than are shown in this announcement. The catalog shows you actual photographs of our schools, and pupils at work, and outfits needed in the various courses, etc., besides describing in detail what we do to help you win success. Send for it to-night. It costs you nothing. Let nothing hinder you filling in the coupon now.

## Hemphill Trade Schools, Limited

Headquarters: WINNIPEG, Man.

(Motion Picture and Telegraphy Taught in Winnipeg Only)

Branches: EDMONTON, SASKATOON, REGINA, CALGARY, VANCOUVER

### HEMPHILL TRADE SCHOOLS, LIMITED. COUPON

(Address Branch nearest you)

Gentlemen: Send me your big free catalog and full particulars about the course which I have marked with an X.

- |                                     |                                  |
|-------------------------------------|----------------------------------|
| .... Auto Tractor Engineering       | .... Battery Work and Repairing  |
| .... Tire Vulcanizing and Repairing | .... Barber Trade                |
| .... Oxy-Acetylene Welding          | .... Telegraphy and Railroad-ing |
|                                     | .... Moving Picture Operating    |

NAME .....

ADDRESS .....

[I saw this ad. in The Canadian Thresherman and Farmer]

**"REVEALED"**  
The Secret of Perfect Ignition

**At Forty Below or Ninety in the Shade**

Guided by the North Star, Mariners know that all the elements of chance are removed from their travelling. Guided by the "North Star" mark battery, users in the West are certain of perfect action, speed, long service. On "North Star" Batteries they take no chances of imperfections; they're sure, steadfast, reliable—"the best for the West."

**"NORTH STAR"**  
Multiple Ignition Batteries

The ideal unit battery, giving unapproachable service for heavy, intermittent ignition. Best and most economical for gas engines, motor boats, automobiles, carriage lighting, barn lighting, blasting and numerous other purposes demanding heavy service.

The Western dealer who handles the complete "North Star" line is best equipped for battery business. They're built for service under Western conditions and your customers know it.

**Canada Dry Cells**  
Limited  
WINNIPEG, MANITOBA

means capital invested) which will enable prompt and efficient service to be given if and when required.

Generally speaking, it is better to buy an averagely good machine from a first class dealer than a first class machine from an average dealer. If a first class tractor can be obtained from a first class dealer, the way of the purchaser is easy.

**RIPLING RHYMES**

By Walt Mason

**The Husbandman**

**T**HE farmer milks the lowing kine, and carries grape juice to the swine, the kind of dope they like; he starts to work ere break of day, and plugs along till dusk is gray, and hasn't time to strike. He stands in need of shorter hours, more time to sleep in cozy bowers, more time to rest and read; but he can hear the horses neigh for bundles of refreshing hay, the mules for fodder plead. The old gray mare is beastly sick, the colic makes her roll and kick, and stands upon her head, and so he nurses her all night, until she's feeling well and right, instead of being dead. He has to hunt a missing sow, or saw the antlers from a cow, so she won't hook again; he has to crawl beneath a crib and spoil his tucker and his bib, to find a setting hen. The farmer has more cause to strike than Jonathan and Pete and Mike, who in the cities live; but he has many chores in view, and walk-out stunts would never do—no profit would they give. But if the farmer struck, ah me! Oh, where in blitzen would we be, and where would we get off? There'd be no bacon and no beans, no flour or meal or helpful greens, no skim milk in the trough. If e'er the farmers organize, and strike as strike the other guys, there'll be a frightful dearth; and we'll fold up our weary limbs, and heave a sigh and close our glims, and just fall off the earth.

**TO THRESHERMEN AND FARM POWER USERS**

**I**N the near future we will have a very interesting announcement to make to all separator, tractor and farm machinery users in Western Canada with regard to insurance rates, particularly upon the separator. Rates heretofore have been rather high, and have prevented a great many tractor owners from taking out the necessary protection against fire.

The new rates, however, promise to be considerably lower, and should meet with the hearty approval and support of all concerned. We hope to be able to make a very definite announcement in our January issue.

Watch for it.

**DROP A POSTCARD FOR**



**A.E. MCKENZIE CO. LTD.**  
BRANDON, MAN. CALGARY, ALTA.

the farmer to satisfy himself about is his dealer's mechanical knowledge and his ability and willingness to treat each agricultural tractor stoppage as a matter of extreme urgency. If a motor car is laid up it causes merely inconvenience in the majority of cases, but failure of a tractor at critical farming periods is equivalent to the breakdown of the power plant in a factory. Selling any article, whether motor car, tractor or other implement, and drawing the profit or commission, is a nice simple straightforward proposition, but the vendor of agricultural mach-

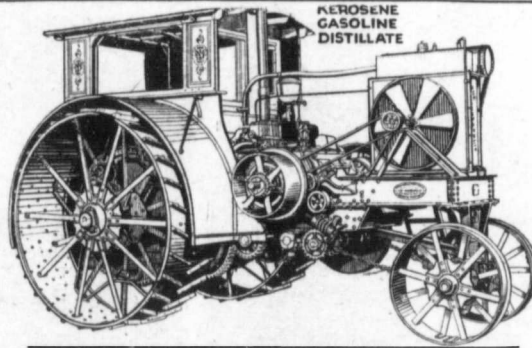
inery should recognize a liability to his customer to afford every reasonable facility to maintain the machine in regular operation. On the other hand, of course, the farmer must be prepared to pay for time and services rendered. The profits on the sale of a machine are not such as to give the customer a lien on the time and services of the vendor's staff. The supplying of the machine and future services are entirely different transactions, but before purchasing a tractor the farmer should make sure that the dealer not only has the will, but has the knowledge and equipment (which

# "The Great Minneapolis Line"

## POWER FARMING MACHINERY

### Large Tractors for Heavy Duty Work

The Minneapolis 20 and 40 H.P. Tractors are in general use throughout the United States and Canada. They are of the 4-cylinder type and are now built with the valve-in-head motor. Other improvements and refinements have been made, keeping them in the front rank for convenience and economy of operation, durability and lasting service.



KEROSENE  
GASOLINE  
DISTILLATE

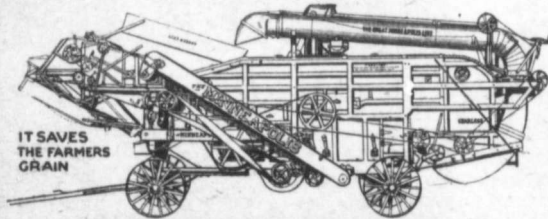
THE MINNEAPOLIS BIG 40-80 KING OF TRACTORS

### Light Tractors for All Purpose Work

The Minneapolis All-Purpose Tractor has made an excellent reputation for performing in a highly satisfactory manner all kinds of general farm work. It is built of highest grade materials thoroughly inspected and rigidly tested during the various stages of construction. A safe and profitable investment for any farmer having need for such a machine.

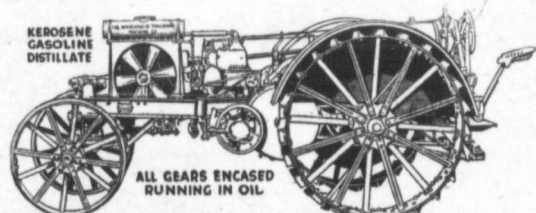
We refer with pride to a host of satisfied owners and operators of Minneapolis Tractors and will gladly put any intending purchaser in touch with the man who knows from actual experience what they are.

"OUR CUSTOMERS ARE OUR REFERENCES"



IT SAVES  
THE FARMERS  
GRAIN

THE MINNEAPOLIS - THE POPULAR THRESHER



KEROSENE  
GASOLINE  
DISTILLATE

ALL GEARS ENCASED  
RUNNING IN OIL

THE MINNEAPOLIS 15-30 ALL PURPOSE FARM TRACTOR

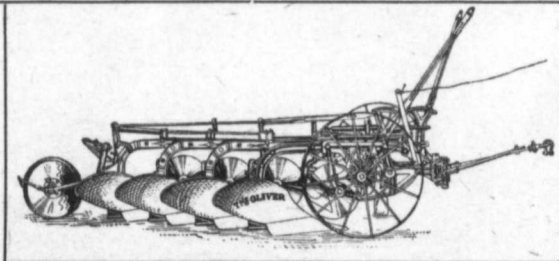
Small upkeep expense, large capacity, close saving and good cleaning of grain and durability have made Minneapolis machines popular in the territories where they are used. They have many special features that are appreciated by the experienced operator, and you will find these portrayed in our general catalog which will be sent to you on request.

### Oliver Plows

2-3-4-furrow moldboard, rigid beam

2-3-4-furrow disc plow

Power Lift



### Case Plows

2-3-4-furrow moldboard, rigid beam

4-6-8-furrow moldboard Independent bearer

Power Lift

These plows are well and favorably known and when used in connection with Minneapolis Tractors of proper size make an ideal outfit—one that will enable you to do your work in the best possible manner.



The Minneapolis Threshing Machine Co.  
HOPKINS (West Minneapolis), MINNESOTA

WINNIPEG

REGINA

CALGARY

EDMONTON





# Edison's New Amberola

Success for Mr. Edison! Life-like music at last! For years, the world's greatest inventor worked night and day to make the music of the phonograph true to life. At last he has been crowned with success! 80 years ago Mr. Edison invented the first phonograph. When his patents expired, others copied his ideas. But he himself was not satisfied. This was not real music. It could not take the place of the living singer or player. His ambition was to invent a phonograph that gives you genuine music. Something that would bring the joy of true music into your life even though you couldn't play or sing a note.



See what the New Edison Amberola can do for your home!

Here it is. The New Edison Amberola. The phonograph that *Re-Creates* the living tone. Send the coupon on the opposite page and find out about this wonderful new phonograph.

## Is Your Home Happy?

How about your home? Is it a real home? Is it something more than a house with a yard or a farm around it? Is it something more than a place to eat and to sleep and to shelter you? Is it a place where the united family can gather together and be happy? Has it something that will bring joy into the life of father, mother, grandparents or children? Has it something that will make your friends enjoy visiting you? That is happiness. That kind of a home is a happy home. Such a life is the only life worth while. And anything that will bring you such a life is a *necessity*. It means as much to you as food and clothing. Money cannot measure its value.

Put music into your home and you will have the greatest influence for happiness that the world has ever known. As long as history has been written, music has been man's inspiration. It is the mother's lullaby, the warrior's cry, the lover's song—who indeed, does not find the expression of all his moods and emotions in music?

And now Mr. Edison's genius has put real music within your reach. You can make it part of your life.

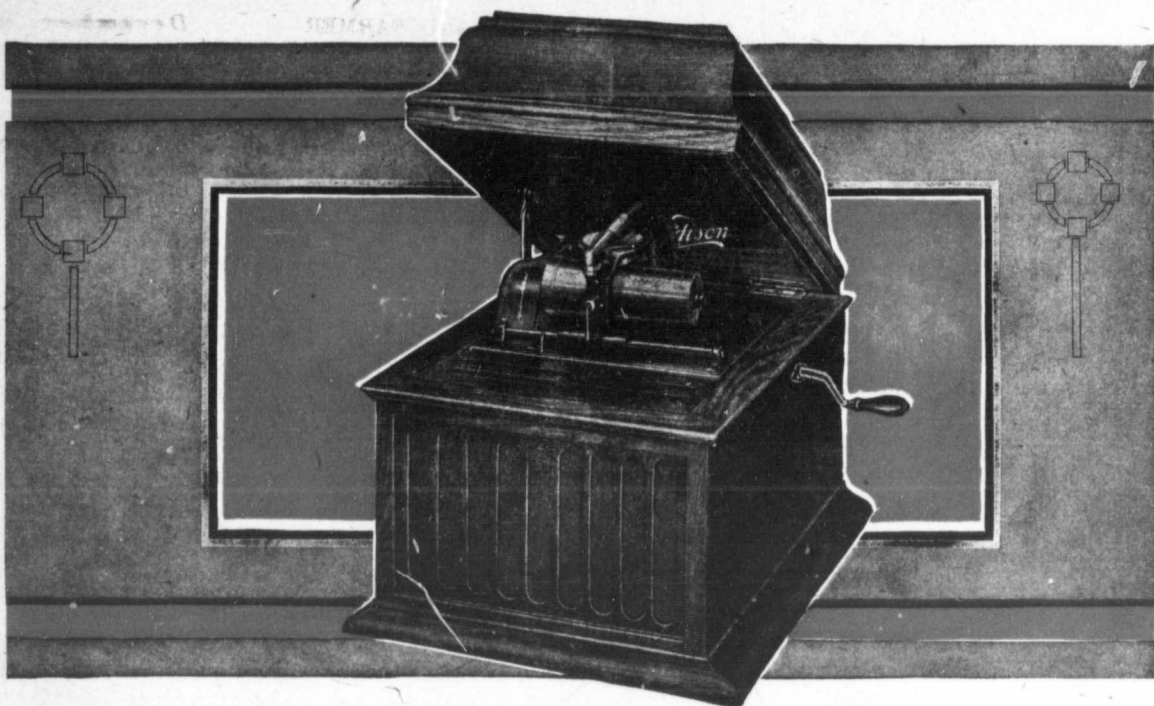
# Read Our Offer!

Just read on the opposite page how easy it is for you to get the New Edison Amberola into your home.

Consider how important—how invaluable—good music is to your life. Then read our offer. How ridiculously small is the expense of making music part of your home! Find out, at once, about Mr. Edison's wonderful

new phonograph. See the coupon on the opposite page. Get full details of our offer. See why you need not be satisfied with anything less than Mr. Edison's great, new instrument.

**F. K. Babson, Edison Phonograph Distributors, 338 Portage Ave. Dept. 379 Winnipeg, Man.**  
U. S. Office—Edison Block, CHICAGO, ILL.



# Sent on Free Trial!

Read the Coupon Below! An astonishing offer—the New Edison Diamond Amberola, Mr. Edison's great new phonograph with the Diamond Stylus reproducer, and 12 brand new Blue Amberol Indestructible 4-Minute Records sent to you on *absolutely Free Trial*. **Send no money**—just fill out the coupon below and send it to us at once. We will send you the complete outfit immediately. No C. O. D. Entertain your family and friends with the latest song hits of the big cities. Laugh at the side-splitting minstrel shows. Hear anything from Grand Opera to Comic Vaudeville. Judge for yourself just how much this great phonograph would mean to your home. Decide if you can get along without it. After the trial in your own home, make up your mind. If you decide not to keep the outfit, send it back to us *at our expense*.

**Only \$1<sup>00</sup> After Trial** If you wish to keep Mr. Edison's superb new instrument after the free trial, send us only \$1.00. Pay the balance of \$71.50 for the complete outfit in easy payments of only \$6.00 for 11 months and \$5.50 for the 12th month, total \$72.50. Remember the 12 brand new Blue Amberol Indestructible 4-minute records are included with this outfit.

**Send No Money Just the Coupon!**

Think of it—a \$1.00 payment, and a few dollars a month to get this outfit of Mr. Edison's new phonograph with the Diamond Stylus reproducer, the life-like music—the same Blue Amberol Records—all the musical results of the highest priced outfits, the *best*, the *best* that money can buy at very much less than the price at which imitations of the Genuine New Edison Diamond Amberola are offered.

After years of labor on his favorite invention, Mr. Edison has made the music of the phonograph true to life. There is no reason now—especially since we make this rock-bottom offer—why you should be satisfied with anything less than Mr. Edison's genuine instrument. You are under no obligation on this free trial offer. *Hear the New Edison Diamond Amberola in your own home before you decide.*

Convince yourself first. Get the New Edison Diamond Amberola in your home on free trial. See what a wonderful instrument it is—how it brings the music of the world's greatest singers and players, the sweet old time melodies, the jokes of the funniest vaudeville actors, all right into your own parlor as if they were there *in person*. See for yourself how much you need the New Edison Diamond Amberola in your life. See how much happier it will make your home. Just fill out the coupon and send it in. Of course, we do not want to ship an outfit to a person who cannot afford to at least pay on easy payments (and when you get a free trial it must be understood that you can afford to keep it). *Yes, no one is under any obligations to keep an outfit if it is not entirely satisfactory. If it is not just what you want for your home, return it at our expense; you, not we, must judge what the Edison phonograph means to you and we accept your decision cheerfully and without question.*

**F. K. BABSON, Edison Phonograph Distributors, Dept. 379  
U. S. Office: Edison Block, Chicago, Ill.**

..... No obligation to buy in sending this coupon; this is just an application for a Free Trial .....

**F. K. BABSON, Dept. 379, 338 Portage Avenue, Winnipeg, Manitoba**

Dear Mr. Babson:—As per your offer, I should like to hear Mr. Edison's wonderful new style phonograph in my home on free trial. If I decide to keep the outfit, I will have the privilege of the rock-bottom price of \$72.50 direct from you on special terms. I merely agree to take the outfit promptly from the depot, pay the small express charges, and if I do not find it thoroughly satisfactory, I reserve the right to return the outfit at once at your expense. Otherwise, I will send the first payment of \$1.00 within forty-eight hours after the free trial or as soon as possible, in no case exceeding one week, and will make monthly payments thereafter of \$6.00 for 11 months and \$5.50 for the 12th month. Total \$72.50. The outfit is to remain your property until the last payment has been made. (This offer is not open to anyone under 21 years of age. If you are under 21 ask your father, mother or guardian to fill in and sign this coupon for you.)

My name ..... Address or R. F. D. No. ....

City ..... State ..... Ship by ..... Express

Shipping point ..... Ship by ..... Occupation .....

Age ..... Married or Single ..... If steadily employed at a salary please state .....

How long a resident in your neighborhood and your vicinity? ..... If there is any possibility of changing your address during the next year, what will be your next address? .....



# THRIFT

AT ONCE

# EARNs AND SAVES!

HON. C. R. MITCHELL  
Provincial Treasurer  
W. V. NEWSON  
Deputy Provincial Treasurer  
Parliament Buildings  
Edmonton, Alberta



Be Thrifty and place the products of your thrift where they will multiply and be secure.

The Government of the Province of Alberta issues SAVINGS Certificates in amounts from \$5.00 upwards bearing interest at 5 per cent per annum.

Withdrawals may be made at any time by forwarding Certificates, upon receipt of which, cheque, with accrued interest, will be sent by return mail. Interest is compounded the 1st of January and 1st July in each year.

Send for folder fully explaining the Savings Certificate Plan, or better still, mail your first deposit. Savings Certificates for the amount will be forwarded to you same day the deposit is received.

## Selling The 1919 Canadian Wheat Crop

Some Points Explained with Regard to Purchase of Wheat from the Farmer, and the Certificates He Receives from the Buyer

ALTHOUGH the Great War is over, yet, owing to the great shortage of wheat in Europe, combined with the lack of ocean tonnage and the financial condition of Europe, government control of the importation of wheat and wheat products is in force in practically all European countries at the present time—as during the war. Many of the trade restrictions which were relaxed after the signing of the Armistice have been reimposed, and, as far as breadstuffs are concerned, the present outlook is that government control will be continued possibly into the next crop.

The United States, in order to meet the conditions in Europe, organized the United States Grain Corporation, with a capital of \$1,250,000,000, to handle the wheat crop of the United States, and facilitate the marketing of it to the very best advantage for all concerned.

As under the existing conditions, no individual firm of grain

dealers or millers, no matter how large, or how they might combine, could hope to compete successfully against the United States Grain Corporation, backed by the United States government, Canada was compelled to take similar steps in order to market the Canadian wheat crop to the best advantage for producers.

This was done by the formation of the Canadian Wheat Export Company, under the chairmanship of Mr. James Stewart, who for the previous three years had been president of the Wheat Export Company of Canada, who acted as buyers for the Allies during the war. The board, which is appointed by the government, is composed of thoroughly experienced men, representing every class interested, from the producers, represented by Mr. W. H. Wood, president of the United Farmers of Alberta, and Lieut.-Col. J. Z. Frazer, representing the United Farmers of Ontario, to the labor representatives, W. L. Best, of Ottawa, who

is looking after the interests of the consumers.

As no minimum price had been fixed in Canada, and the object of the government was to get the highest price that the Canadian wheat would bring in the markets of the world, the arrangements made by the board called for an advance payment of a minimum fixed price to the farmer for his wheat, and the issue of a participation certificate, which will entitle him to his pro rata share of the accumulated profit at the end of the season, when the marketing of the 1919 wheat crop is completed.

In carrying out this project the usual channels of trade are being utilized as far as possible, but, with the selling all being done by the Canadian Wheat Board of both wheat and flour to European countries, undoubtedly better prices are being realized than if the various traders were competing with one another in the European markets.

In this connection, one of the most important factors is, that the Canadian Wheat Board in making sales to European governments, make one of the conditions that the ocean transportation be provided by the buyers, as, owing to the lack of adequate merchant marines in Canada, it is im-



### STOP!

- Stop those Gophers. "My Own Gopher Poison" will stop them.
1. Destroying your crops.
  2. Eating away your profits.
  3. Stop them "Dead."

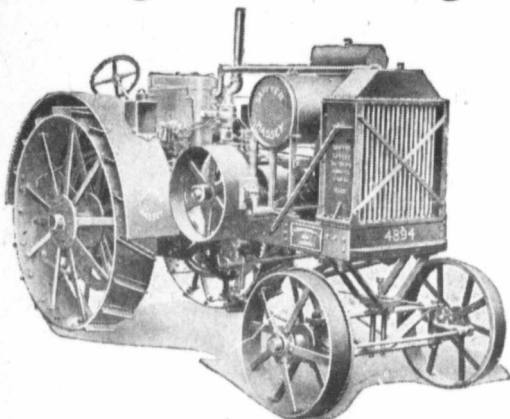
Sold in every town. Watch for the photo and signature of Anton Mickelson, the trade mark others cannot use.

Anton Mickelson Co. Ltd.  
Winnipeg, Man.

USE MICKELSON'S BLUE CROSS FARMERS REMEDY

TURN TO PAGES

# To the Power Farmers of the Canadian West Sawyer-Massey Comes Greeting



Sawyer-Massey 11-22 Kerosene Burning Tractor

## Kerosene Burning Tractors

For 1920 the Sawyer-Massey line will include the following sizes in kerosene burning tractors: 11-22, 17-34, 20-40 and 25-50. These are standardized tractors of the same general appearance and design—four-cylinder, kerosene-burning motors—4 road wheels with traction drive to both rear wheels—two speeds forward and two reverse—spring mounted radiators—high tension ignition with impulse starter—no batteries. The best workmanship and material that we can put in them.

*Our steam engines are built to stand the heavy strain of Western work*

## Grain Threshers

Sawyer-Massey grain threshers are built in Canada for the Canadian trade. Over three-quarters of a century of improvement in design, material and workmanship have enabled us to produce a thresher that is second to none. As a grain saver, requiring the least possible amount of power to operate it, and with the durability that makes for exceptionally long life, we have a thresher that will give you a maximum of service with a minimum of cost for upkeep. Built in a large variety of sizes from 22-inch up, we have a separator that fits every farm.

## Road Building Machinery

Sawyer-Massey line of road-building machinery needs no introduction to the Canadian trade. It includes road rollers, rock crushers, graders and road drags, and meets the requirements of every municipality.

# Sawyer-Massey Co., Limited

Head Office and Factory, HAMILTON, ONT

Branches and Warehouses:

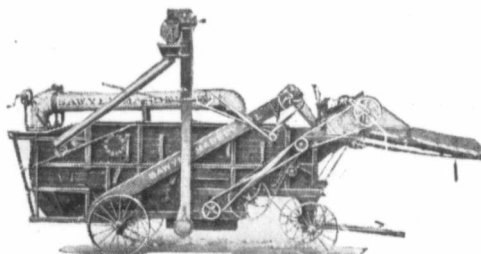
WINNIPEG REGINA SASKATOON CALGARY

FOR 84 years (1836-1920) we have been serving the threshermen and farm power users of Canada. During that time we have endeavored to keep pace with farm power development. Our factory staff, our engineering staff—in fact every member of our organization has kept “his ear to the ground” in order that we might know just what the farmers and threshermen of Canada require.

*For 1920 we believe we can give you a line of farm power and road building machinery that will meet your every need.*

## Rear Mounted Heavy Duty Steamers

Our steam engines are built in two sizes: 22-68 and 25-76 H.P. All boilers are Alberta high pressure, carrying 175 lbs. Regular equipment includes jacketed boiler, straw burning attachment, rocker grates, duplex steam pump, balanced valve, water columns both side and rear, and large peep hole at side of boiler for cleaning off ends of flues when burning straw, extra heavy, wide-faced gearing, over size shafting, cannon bearings, wide 30-inch, heavy duty, road wheels, semi-enclosed gearing.



Side View Sawyer-Massey Separator Nos. 1 and 2

### Request for Free Information Coupon (Mail to nearest Sawyer-Massey Branch).

Kindly place my name on your mailing list to receive free 1920 Literature just as soon as issued, covering the Machine which I have marked with an X below.

- ..... 11-22 Kerosene Burning Tractors.
- ..... 17-34 Kerosene Burning Tractors.
- ..... 20-40 and 25-50 Kerosene Burning Tractors.
- ..... Steam Engines.
- ..... Individual Threshers.
- ..... Large Custom Threshers.
- ..... Combination Threshers.
- ..... Road Machinery.

Name .....

Address .....

Date .....

## FAIRWEATHERS HIGH-CLASS FURS

The best Furs in the World at the Lowest Prices for which such fine Furs can be safely bought.

Men's Fine Raccoon Coats from .....	\$135.00 to \$350.00
Men's Beaver Coats from .....	\$575.00 to \$750.00
Men's Muskrat Lined Coats from .....	\$175.00 to \$300.00
Men's Hudson Seal Caps—all styles—from .....	\$ 20.00 to \$ 30.00
Ladies' Natural Muskrat Coats from .....	\$150.00 to \$350.00
Ladies' Natural Raccoon Coats from .....	\$300.00 to \$550.00
Ladies' Canadian Beaver Coats from .....	\$550.00 to \$750.00
Ladies' Hudson Seal Coats from .....	\$350.00 to \$750.00

We are also showing a very great variety of neckpieces and muffs in all the popular furs—Mink—Skunk—Fox—Opposum—Lynx—Beaver—Hudson Seal—Wolf—Badger—Marmot—and Persian Lamb.

"IT PAYS TO PAY FOR QUALITY"

Mail Orders promptly executed by our expert Furriers. Special interest paid to out-of-town customers.

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### FAIRWEATHERS LIMITED

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TORONTO

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## Manitoba Winter Fair

AND

Fat Stock Show, Provincial Poultry Show  
Provincial Seed Grain Fair

Brandon, March 1, 2, 3, 4, 5, 1920

**\$20,000 IN PRIZES \$20,000**

For Horses, Cattle, Sheep, Swine, Poultry and Seed Grain

J. D. McGREGOR,  
President

W. M. McKIRDY,  
Vice-President

W. I. SMALE,  
Secretary

## Christmas Greetings and Much Joy

IS OUR SINCERE WISH TO EVERY  
READER OF THIS JOURNAL

Your Joy will continue through the whole  
year 1920 if you make all your  
shipments of

**Cream, Poultry  
and Eggs**

TO

**The Tungeland Creamery Co.**

LIMITED

BRANDON - MANITOBA

### MANITOBA BOARD OF HEALTH

Working Hard for Healthy  
Citizenship

IN 1916 the Manitoba Provincial Board of Health embarked on a system of rural health nursing. Manitoba was the pioneer province of Canada to engage in this work, and with the exception of a small section of New York State, which adopted this plan in the same year, the first on the continent. The success of this organized division of the Health Department has surpassed the expectations of the promoters, and has had an influence in the adoption of a similar plan in the other provinces of Canada and in some of the states of our neighbors to the south.

The duties of the nurses cover the whole field of disease prevention in the rural districts. It is the intention of the board, as far as it can be secured by human endeavor in the application of modern medical science, to bring to our rural population all the benefits that are more easily obtained in the denser areas of settlement.

From the first there have been three definite divisions of this most valuable work on which special emphasis has been laid:

1. Child welfare.
2. Work among the school children.
3. Prevention and early discovery of cases of tuberculosis.

From the employment of four nurses in 1916, the number has grown to thirty-one, and the results have fully justified the rapid expansion of the work, and indicate definitely the desirability of further progress until all parts of the province are receiving the physical blessings that accompany the nurses in their movements among the people, and are often left in some form of permanent benefit as they move forward in their health-giving mission.

The child is followed by the nurse from the cradle to the period of school age by instructions to the mothers on proper infant feeding, on the great value of fresh air and sunlight in the nursery and in the home, on the value of excluding all carriers of disease from the presence of the little folks in the form of insects, and the influence on the health of the growing child of hygienic and sanitary surroundings of the residence where the young life is being physically moulded into the future man or woman.

To say that the infant mortality rate has been reduced since the nurses began their work to

less than one-third the former rate, and to meditate on the value of the four hundred pure young lives that are annually saved—largely at least—by this means, is all the testimony that need be offered in support of what has been done and what the future efforts of the board should be in this direction.

A careful inspection of all children approaching the period of school attendance, and especially those in actual attendance, is made by the nurse as a part of her regular duties, for the purpose of discovering any minor ailments with which the children may be afflicted, any one of which seriously handicaps the child in his preparation for the place he will occupy in the diversified sphere of citizenship. The purposes of the inspection of school children has not been accomplished until whatever disability from which the child is suffering has been corrected and the handicap to the preparation for his permanent duties in life removed.

In detecting cases of tuberculosis in the early stages, the nurses have performed noble service. It is through labors in this field that the hope exists that this greatest enemy of mankind may be successfully combatted. Specific instances of cures are before the board that are the product of early treatment secured through work and influence of the nurses in the course of their regular duties among the people, the welfare of whom soon becomes a matter of deep concern to these women, who are devoting their time and energy, sometimes attended with hardship, more for the good they can do for humanity than for the moderate remuneration they are receiving.

The co-operation of the people everywhere and the growing benefits that are becoming more and more apparent as the work progresses, are most encouraging and justify the prediction that the time is in sight when all the advanced methods of prevention of disease that worked so marvelously in their organized application in our vast armies in Europe, will be in common use. The machinery will be in existence to utilize for the benefit of our people the new discoveries in this direction that are made in the research laboratories, as soon as they are available.

The ultimate purpose of the board will be reached when the unnecessary sacrifice of infant and other lives will be reduced to a vanishing point, and a maximum standard of physical fitness in the school children and all other classes of our citizen life continually maintained.

# Healthy Citizens are a Nation's Greatest Asset

*How the Manitoba Board of Health is working to conserve the greatest asset of the first Province of Western Canada*

The Manitoba Provincial Board of Health was completely re-organized in 1916, the necessary legislation having been passed at the 1916 Session. "Public Service" is the motto and the principle underlying all the work of the Department.

## PUBLIC HEALTH NURSING

The high rate of infant mortality from preventable causes was one of the first problems attacked by the Manitoba Provincial Board of Health under the administration of Hon. Dr. Armstrong, Municipal Commissioner, when reorganization had been completed.

A system of rural nursing was decided upon for the purpose of giving instructions in sanitation and hygiene in the home and the school.

Starting with four nurses in 1918, the work has developed so that there are now over thirty nurses whose constant duty it is to follow the welfare of the children from infancy to adult life.

The nurses give instruction on the prevention of diseases in child life, on the scientific feeding of infants, on the importance of sufficient nutrition for the growing child, the value of fresh air and sanitary conditions in the home.

Children of school age and under are examined regularly, and the parents of those suffering from minor affections of the eye, ear, nose, throat, or any other organ, are advised to consult a physician and have the disability corrected. The nurses take particular care to discover as far as they can all early symptoms of tuberculosis and recommend them for treatment. This has a double value in that it gives the patient the great advantage of early treatment and at the same time removes the possible source of infection to others of the household.

It is gratifying to be able to report that this work has had the sympathetic co-operation of the people, especially the women, and the results have been most encouraging.

Infant mortality has been reduced to less than one-third of that of 1912 and 1913.

Teachers report that the correction of minor disabilities, such as adenoids, enlarged tonsils, etc., has had quite a noticeable effect on the intellect of the pupils treated and has given them an equal chance with their associates.

Many cases of tuberculosis in the incipient stages have been discovered, and through the kindly influence of the nurses have been placed under treatment at a time when a cure may be expected.

It is the intention of the Department to extend this work until the benefits of public health nursing are available to every community in the Province of Manitoba.

## CHILD WELFARE STATIONS

The effort of the Health Department in connection with the better health of our young citizens does not end with the public health nursing system. A constant general campaign of public education has been carried on. Public addresses and lectures have been given in all parts of the province. These have included regular lectures to normal students, addresses at teachers' conventions, and at many other public gatherings. In addition to this, permanent child welfare stations have been established

in three places in the province: in the City of Brandon, the Municipality of Assiniboia, and the Town of Dauphin.

Mothers are invited to bring their children to these stations where they are given every possible help by way of advice and instruction. It is the intention of the Department to enlarge this work as circumstances permit.

## COMBATING VENEREAL DISEASES

A determined and organized effort has been made by the Health Department to lessen and if possible to remove altogether the ravages of venereal diseases that for centuries have been so great, although comparatively unknown, a menace to society.

It is recognized that with scarcely an exception all cases of venereal diseases seek treatment somewhere. By the requirements of an act passed by the Legislature at the 1919 session, all sufferers must now apply for treatment only to a registered physician or to the free clinic recently opened in Winnipeg, either of which have the authority under this law to control the patient until a cure is completed. The free clinic is of the most modern type, ensures complete confidence, and is at the disposal of every citizen of the province. It is located in the Boyd Building, Winnipeg.

## FREE VACCINE AND ANTITOXIN

Owing to the great increase in the cost of vaccine and diphtheritic antitoxin immediately after the outbreak of the war, the Health Department adopted the policy of furnishing these free of charge to any citizen in Manitoba requiring same. Distribution is made through local health officers, to whom any practising physician in the province may apply for a supply. A constant campaign for vaccination has been carried on with excellent results, some 20,000 vaccinations having been reported in 1918. Manitoba is, therefore, well prepared for the possibility of the smallpox epidemics reported from other places spreading to this province.

## MUNICIPAL HOSPITALS

Hospital accommodation is now easily available for every community in the Province of Manitoba.

The Municipal Hospital Act passed at the 1919 session of the Legislature provides the machinery whereby any area requiring an hospital, and having a population sufficiently large to finance a fifteen-bed institution, may create a hospital district. The procedure is simple and in the hands of the people themselves, with the willing co-operation of the Government and the Department of Health.

The value of this legislation is indicated by the fact that eight new hospital districts have already been created and steps towards the organization of several others are well under way. It is expected that building operations on a number of these new hospitals throughout Manitoba will start early in the spring.

# Mothers' Allowances

## CONSERVING FUTURE CITIZENSHIP

The Manitoba Government in 1916 enacted legislation providing for allowances to widowed or otherwise dependent mothers so that they might be enabled to care properly for their children in their own homes. It was the first legislation of its kind in Canada, and in the scale of its allowances is the most generous known on the American Continent.

The act is administered by a commission of men and women who serve without remuneration.

There are now 351 families benefitting under the act, and the expenditure for 1919 will amount to approximately \$200,000.00.

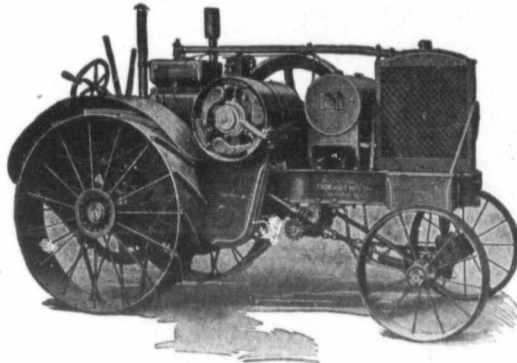
The commission is assisted by municipal committees, which receive and pass on applications for allowances in their districts.

The principle of Mothers' Allowances is not only humanitarian, but is undoubtedly founded on good business for the state. Without this aid, the dependent mother would almost invariably have to work out to earn a livelihood for her children, and this would mean either breaking up the home or the neglect of the children while the mother was at work.

The Manitoba Mothers' Allowances system amounts, therefore, to nothing more nor less than the payment by the State of a salary to the mother for the proper upbringing of her children so that they may have a fair chance to develop into useful successful citizens.

# You Can Now Buy an EAGLE TRACTOR

From Canadian Dealers



**T**HE justly popular Eagle Tractors have been built and sold in the States for nine years, and quite a number of them have been brought into Western Canada by individual farmers who have learned of their superior qualities from their friends in the States. Increased factory facilities now make it possible for Western Canadian farmers to purchase an Eagle Tractor right at home.

### The Best-Proof of Merit—Actual Field Work

Years of service in the hands of American farmers has proven the economy, serviceability and reliability of this tractor and its ability to stand up under the severest conditions and do all, and more, than is claimed for it.

Eagle Tractors are built in 3-plow and 4-plow sizes and are equipped with OUR OWN SLOW SPEED, twin-cylinder, horizontal, valve-in-head motors—the only type of motor that burns Kerosene successfully. Other equipment, which every tractor operator will recognize as the best procurable, includes Schebler Carburetor, Dixie High Tension Magneto with impulse starter, Madison-Kipp force feed lubrication, Hyatt Roller Bearings on transmission, two speeds forward and reverse, and a 20-inch belt pulley with 8 1/4 and 10-inch faces, located just where a pulley should be.

The manufacturers of this tractor have been building farm machinery for 31 years. The Eagle Tractor, in a word, is designed right, built by master mechanics and contains nothing but the best of material and standard equipment throughout. Let us tell you more about it. Write for Catalog and name of nearest dealer.

## Eagle Manufacturing Company

618 WINNEBAGO STREET, APPLETON, WIS.

JACKSON MACHINES LTD., Saskatoon, Distributors for Sask.

### CONVENTION OF RURAL CREDITS SOCIETIES

**W**HAT promises to a large and enthusiastic gathering of members and interested parties to the Rural Credits Societies will be held in Winnipeg in January next, covering the three days—13th, 14th and 15th.

The following are a few of the subjects which have been slated to date, and others will be announced as fixtures are made:

#### Programme

1. G. E. Warren, Ph. D., professor of farm management, Cornell University, author of "Farm Management" and the greatest authority in North America on this subject, will speak on two subjects. Professor Warren is a splendid speaker and intensely practical. His subjects with some suggested sub-heads are as follows:

(a) "Prices of Farm Products and Probable Future Prices":

(1) Why are prices in general high?

(2) Why have certain prices not followed the general price level?

(3) How long may prices be expected to remain high?

(b) "Important Factors for Success in Farming":

(1) Size of farms;

(2) Proportion of crop and stock to keep;

(3) How intensive should operation be?

2. John Bracken, B.S.A., professor of Field Husbandry, University of Saskatchewan. Professor Bracken is the highest authority in Canada on all western crop conditions and conducts at Saskatoon perhaps the most extensive, comprehensive and best planned experimental field to be found on the continent. His subject is: "The Problem of Profitable Crop Production":

(1) The causes of low yields;

(2) The control of low yields;

(3) The causes of low profit;

(4) The control of the factors of profit;

(5) Conditions necessary for a permanent agriculture;

(6) Problems of immediate concern: Soil drifting, drought, rust, breaking prairie land, the forage crop problem, problems incident to our short growing season.

3. Growth, service and possibilities of rural credits societies to the farmer, to the banker, to the community. By Geo. W. Prout, M.L.A.

4. The rural credits act—its operation. Statements, applications. Explanation, discussion, etc., etc. By E. A. Weir, B.S.A. etc.

**A HORSE CAN TRAVEL WHERE AN AUTOMOBILE CANNOT GO**

Often in the deep snows of winter an automobile cannot get through the drifts, but the horse can travel anywhere if he can secure footing. There is just one thing will insure safe footing on any road anywhere any time, no matter how icy or slippery, and that is the

**Neverslip Red Tip Horse Shoe Calk**

Whatever the occasion; a hurried trip to the doctor, an important call to town, a load of produce to be delivered—your horse is ready when you are ready. The wise horse owner will go to his horse shoe early and have the safe, reliable RED TIP SHOES put on. Then he can laugh at the weather. No sleet storm, no sudden freeze will hold him back. His sharp, strong RED TIP CALKS can be adjusted in 20 minutes, and he is ready for the road. Avoid substitutes. LOOK FOR THE RED TIP.

**THE NEVERSIP WORKS**  
559 Plus IX Ave., Montreal, Canada.  
U. S. Factory, New Brunswick, N. J.

**Buy Your PLAYER PIANO ROLLS**

**By Mail**

**Get Our List of Newest Selections**

Keep your Player-Piano up to date with the newest rolls as they are published. We will be glad to place your name on our mailing list, to receive the new lists of rolls from time to time. Write to-day for latest list. Orders of \$3.00 and upwards shipped carrying charges paid.

**WINNEPEG PIANO CO** 333 PORTAGE AVE.

**BOYS AND GIRLS**  
Take a Good Long Look at Pages 84 and 85

possible to move Canadian products abroad unless shipping is provided by Great Britain or other marine nations.

While it is impossible to give any exact figures, the reports from the Canadian Trade Commission in London would appear to show that more than half of the Canadian exportable surplus has been sold in the shape of wheat and flour. Fortunately, the major part of the Canadian wheat crop is what is known as Hard Spring Wheat, and in the United States, owing to their spring wheat crop being badly damaged, there is practically no exportable surplus of hard spring wheat available. It is hoped, therefore, that even better prices will be obtained for the balance of the crop, because although Europe and the United States have plenty of soft wheat and soft wheat flour, yet there is an active demand for the strong flour made from Manitoba wheat.

The farming community is especially interested in the participation certificate, and in order to insure that each farmer receives a participation certificate representing the number of bushels that he sells, the board has issued very stringent regulations governing the same.

It is important that these certificates should be fully understood and their value fully realized by the farmer. That many do not understand them is evident from the numerous inquiries which have been received at this office dealing with various questions regarding the grading of the farmers' wheat and payment for the same. Some farmers also think that neither the interim receipts nor the participation certificates are of much value, and that the price he receives from the miller or dealer, in the first place, constitutes all that he will receive for his wheat. This is a wrong view of the matter, and those who neglect to save these papers will likely feel somewhat sore at themselves for their carelessness, when the crop has been duly disposed of, and the supplementary payment issued to each holder of a participation certificate. We have



Golfer: Dear me! The Major is certainly strong in his language.  
Sandy (lately demobilized): "Hoets, man, that's naething. I was w' him ae night on the Arras Road when the mule got loose an' put its feet through the case o' whusky. Man, he was wunderfu' that night!"



# The Stinson 18-36

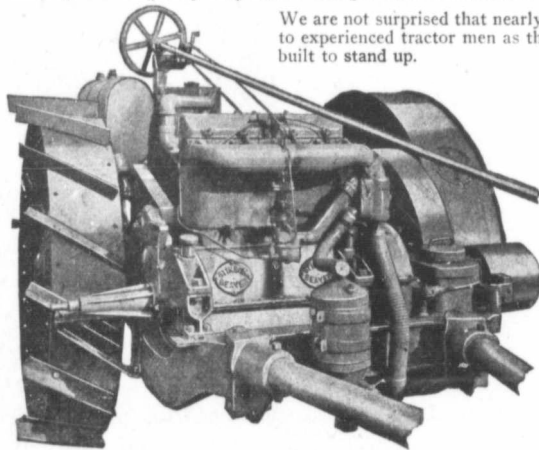


"We guarantee the Stinson to burn Kerosene at all loads or with Motor idling, and not make more smoke than on Gasoline."

The successful tractor must **STAND UP**; that is, it must keep going day after day and last for years with the minimum of lost time. To do this it must be properly designed and built of the very best material. It must also have the working parts protected from the dust.

It must be light enough to work over cultivated ground, but heavy enough to have good traction. The Stinson design was thoroughly perfected and tested before being put on the market, and that explains why only very minor changes have been made in the last three years.

We are not surprised that nearly all of our sales have been made to experienced tractor men as they know how a tractor must be built to stand up.



Neither are we surprised at the reports that these men have sent us regarding the tractor as we knew before we arranged to handle it what it was capable of doing.

Some of the things we have been told by owners, which speak for themselves (names on application):

"We can make three miles per hour on soft fallow with the discs."

"It surely has a good kerosene motor."

"We threshed oats and flax with our 40-inch cylinder Rumely Separator with two men pitching."

"The Stinson will bear the most careful investigation. Let us send you full information."

*Tractioneers*  
LIMITED

11 Notre Dame East  
ST. BONIFACE, WINNIPEG  
Distributors and Service Station for  
the Province of Manitoba

Saskatchewan Grain Growers' Association, Regina, Saskatchewan  
Distributors and Service Station for the Province of Saskatchewan

heard of some farmers selling these certificates for small amounts to buyers, who, doubtless, realize that they can make some money out of them. Don't let anyone persuade you that they are of no value. Hold on to them and see.

The method of issuing these to the farmer is as follows:

Every farmer being paid for his wheat is entitled to an interim receipt for the number of bushels for which he will later receive a participation certificate, and he should demand his interim receipt from the buyer when he gets paid for his wheat. The buyer reports to the office of the Wheat Board the number of bushels he has bought from each farmer, and the board issues a participation certificate in the name of the farmer for the number of bushels. The participation certificate is registered and sent to the buyer, who delivers it to the farmer in exchange for interim receipt, which the farmer holds until he gets the participation certificate, and he cannot get the participation certificate without surrendering the interim receipt. As both these documents are valuable

ones, they should be as carefully taken care of by the farmer as his bank notes or cheques. A cut of the participation certificate is given herewith, as it would be made out to the farmer when sent to the buyer from the head office to be delivered to the producer.

As it will take possibly a year to dispose of the whole of the 1919 crop it is anticipated that by about the 1st of November, 1920, the board will be in a position to announce how much per bushel these participation certificates are worth, and at the same time announcement will be made as to the points where the certificates can be cashed, and it will only be necessary for the holder of them to present them properly endorsed to receive the money they are entitled to on the same.

### Circumstances Alter Definitions

Young Johnny had been reading the evening paper, and paused contemplatively for a few moments, "Father," said he, "what is 'inertia'?"

"Well," replied the father, "if I have it, it's pure laziness; but if your mother has it, it is nervous prostration."

## Steele, Briggs' Seed Catalogue

### 1920

Ready January 1st  
Send in your name for a Copy  
**PLACE YOUR ORDER EARLY**

- For these Splendid Stocks
- Dr. Saunders' Early Red Fife Wheat
- Red Bobs Wheat
- Kitchener Wheat
- Registered Marquis Wheat
- Registered Oats
- Registered Barley
- "Lion" Brome Grass
- "Lion" Western Rye Grass
- "Lion" Alfalfa
- "Lion" Sweet Clover
- "Lion" Timothy

We are buyers of Brome, Western Rye, Timothy and Sweet Clover. Send samples.

**Steele, Briggs Seed Co., Limited**

WINNIPEG

MAN.

# How To Farm Successfully

Make Your Farming Fit the Farm

By R. B. RUSHING

**S**UCCESSFUL farming depends in a large measure upon the selection of plants and animals that are adapted to the farm. The average farmer does not always find himself with productive lands, well situated and most economically equipped for conducting his business, but by making an intelligent study of the adaptability of the farm, as regards climate, soil, location, markets and buildings, he can add to its fertility and evolve a system of farming that will fit his environment.

The farmer cannot change his climatic conditions, but he can grow plants adapted to them. There are two ways of doing this; by the breeding and selection of hardy and early maturing plants, and by the introduction of new species and varieties adapted by nature to the conditions of new locations. The various experimental stations have conducted many experiments with plants from all parts of the world for introduction into our own country. The difficulties of adapting crops to climates increases as we pass from south to north, for the length of the growing season constantly diminishes, so that farmers farther north must select only varieties that will mature before cold weather comes and checks their growth, while the farmers farther south can avail themselves of many more varieties, and, in many instances, can succeed one crop with another on the same land.

To secure maximum benefit from the experiments, one must make a constant study of plants that are particularly adapted to the length of the growing season on his farm, and thus by intelligent selection of as nearly perfect specimens as possible for seed

purposes, intensify the early maturing tendencies until he has plants that will mature and produce a fair crop during the normal growing season.

The selection of the breeds of animals that are adapted to the climate and location of the farm is almost as important as the selection of suitable crops. Inasmuch as the desirable qualities and characteristics of each breed of animals have been fixed in their native homes, and we are only continuing on well defined lines, and, we hope, improving on them, it is well for us to understand the most important characteristics as well as the home environment of a breed before we attempt to adapt it to our farm.

For example, among the four great breeds of dairy cattle we find that the Ayrshire is adapted to rough, hilly pastures, where they are compelled to subsist largely on roughage. Where a large quantity of milk containing a fair percentage of fat is in demand they can be used to advantage. The Jerseys and Guernseys have been developed in a mild climate and fed generous rations of rich feed for so many years that they have become particularly adapted to farms where they have the best of care, rich rations and comfortable stables. They give rich milk that is excellently adapted for cream and butter products or for supplying a fancy trade that calls for very rich milk. The Holstein cattle have been developed for ages upon rich lowlands, where they have had luxuriant grass and early cut hay and forage. In this way they have become accustomed to handle large quantities of bulky foods and obtain their food without going long distances after it. They are particularly adapted to



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We buy direct. No middleman's profit.

We quote a delivery price at your station, on carloads of 22,000 to 26,000 square feet.

A clear, concise Eaton Price List mailed you on request.

**Delivery**—Owing to the tremendous increase in business expected this coming year, the tax on the lumber market is going to be the greatest that it has ever been. The building held up during the war will have to go ahead. On this account we have arranged for our supply and can make prompt delivery; and can land your car at destination in about six weeks. Our advice to you is, to place your order early and not be caught in the usual car shortage in the spring.

### ESTIMATES ON PLANS OR BILLS

Our large staff of expert estimators are at your service. Use them. Send your bill of material or plans to us. A price will be quoted promptly, delivered at your station. **REMEMBER**, use this service freely.

### PLAN BOOK OF IDEAL HOMES

A beautifully illustrated book of plans containing a complete selection of house and barn plans. You will, no doubt, find in it something to suit your wishes. This book is yours for the asking. We will gladly quote you a price on any of the buildings shown therein.

### SPECIAL PLANS

You, no doubt, have your own ideas regarding the house or barn you wish to build. Write us for a sketch blank and then you can submit your own sketch for a price. When the order for the lumber is placed with us, our draughting department will draw you a complete set of working drawings without further charge. This is well worth considering.

Our advice: Order early—that is now.

**THE T. EATON CO. LIMITED**  
WINNIPEG CANADA



Old Sinner (of sea-serpent fame): "Bah! Them 'Q' boat stories you told them people made me sick."  
Ex-R.N.R. Man: "Well, they were true."  
Old Sinner: "True? Of course they was true. That's wot I'm grumblin' at. With the material you 'ad you ought to 'ave told them lies a thousand fathoms long."

the low and level farms where similar conditions prevail. They give a very large quantity of milk that is rather deficient of fat, and for that reason are kept on many farms where whole milk is furnished for the city trade.

Among the various breeds of horses, cattle, sheep and swine, we find that each breed, in its original home, was developed for some specific purpose, and in the course of time it becomes so accustomed to its home environment that unless these same conditions were approached the animals would reach no higher development than their original ancestry.

A Guernsey breeder, well known to me, recently sold a pure-bred Guernsey bull. The buyer owns a large farm, and said that for several years he had been using pure-bred Holstein bulls, but cannot see that his heifers, except for uniformity, are one iota better since he used the pure-bred bulls. He is now going to change to the Guernsey breed, believing that it is more prepotent. This man's attitude is characteristic of many farmers who expect that breeders are to furnish them with highly bred animals that will build up their herds and flocks without providing them with systems of care and feeding that will prove adapted to their requirements. These men do not understand that every improvement in live stock has come about through increasing the possibilities of the animals by liberal feeding and comfortable shelter.

Among draft horses we find that light rations produce Shetland and range ponies, medium feeding the common farm horse, and heavy feeding the large, draft type that commands such high prices at the present time in every horse market. Among dairy cattle light feeding will produce a lean, unpromising type, and liberal feeding will produce the highly developed dairy cow that frequently produces her own weight in milk in one month. These facts should guide in selecting profitable animals. It is a waste of money to invest it in highly bred animals that are not adapted to the conditions on the farm.

In selecting horses the farmer should choose those that are best adapted to handling the class of machinery used on the farm. On some rough, hilly farms light horses are profitable, but on the level farm, where the fields are large enough to permit the use of machinery and large implements, one cannot afford to employ light horses. Heavy horses and large implements with a seat conserve the time of men for other profitable work. In this way they reduce the cost of team work on the farm. Still another factor to

consider in selecting work horses is that of using brood mares for farm work and raising a few good colts to sell. In this way it is possible to add a few hundred dollars to the income of the farm each year without seriously affecting the efficiency of the organization. The man who employs geldings for work on his farm is not making his farming fit his farm.

The size of the farm, the distance from market, the kind of buildings, and the likes and dis-

likes of the owner are determining factors in the selection of plants and animals that are adapted to the farm. He must, therefore, study the adaptation of the farm, the distance to market, his own tastes and previous training, and make a specialty of the stock and live stock that his own judgment teaches him he is qualified to handle. No one can tell another what he had better do, but once having chosen wisely, success will be measured by the careful thought and attention

put into the business. Skill comes from thoughtful experience, and to do one thing better than other farmers always pays, and that self-reliance, I may say pride, that comes from successful doing, will enable one to do still better, and by confining himself to a few standard crops and one or two branches of stock feeding and breeding he shall be more likely to succeed. One should always keep in mind that the better the plants and animals, the better the pay.



## EASING UP

The earth has delivered her bounty—provided for her own. Contented, she sleeps the winter months.

And the men who worked with her, who toiled in her furrows and delivered the harvest—they, too, have earned a rest. Thoughts may turn to hospitality and social evenings. The

# Gillette

## SAFETY RAZOR

plays its part in the warm-hearted social life of the country and in the more formal functions of the city. Wherever a particularly clean shave is demanded Gillette service is commissioned.

Gillette Service means shaving comfort, No Stopping—No Honing, the elimination of the unnecessary, the saving of time.

\$5.00 at dealers everywhere.



The Gillette Safety Razor makes a very acceptable and serviceable Christmas gift. You get the full, pre-war value for every dollar you spend on it.



# The CANADIAN

## 14-28 Tractor

We have not delivered a tractor—yet—although we have been at work for over a year. We will do all the experimenting—not you. We will be ready shortly to guarantee delivery for spring plowing.

THE CANADIAN TRACTOR is purely a Western Tractor, designed for use in Western Canada, manufactured and built in Western Canada, and will be sold for less money per horse-power than any Tractor in the world.

THE CANADIAN TRACTOR has been subjected to field tests under all Western conditions.

THE CANADIAN TRACTOR repair parts will be sold at cost plus a minute profit.

Realizing that one poor Tractor turned out from our shops may stop the sale of ten or more others, we have established the policy of producing a quality Tractor, each one whose individual features are built into the machine because of their superiority.

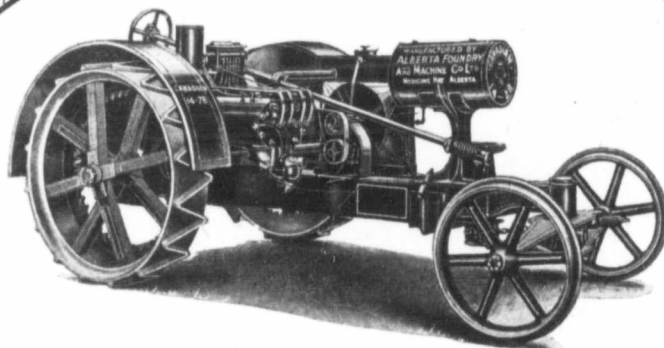
THE CANADIAN TRACTOR is not a high-speed Tractor, encumbered with highly scientific devices. Western farmers don't need that kind of machine. The Canadian Tractor is a heavy duty, every day, reliable machine. All bearings covered and running in oil. It is just right and has less parts than your binder.

THE CANADIAN TRACTOR is built for heavier work than its rating. Therein lies its reserve power. E. B. Hartsbough, our head designer, is the man who built the first successful gas tractor in the States, and the Canadian, built under his personal supervision, contains the result of all his experience.

THE CANADIAN TRACTOR is open for investigation. Any Western farmer that wants a machine to work all the time should get the literature we have. It gives full details.

**Alberta Foundry & Machine Co. Limited**  
**MEDICINE HAT, ALBERTA**

Agents—Dealers—who can handle large territory are advised to get in touch with us—once and see what we have to offer.



## When The City Man Goes To The Farm

Some Things He Should Know Before Giving Up the Work He Understands

By E. DAVENPORT

BACK to the land" is a popular slogan just now, but most of the noise is made by those who are recommending it to others with no thought of themselves joining the procession; indeed, those who are loudest in their praises of the simple life are evidently thinking less of the welfare of individuals than of the importance of cheap food to the city. But somebody must think of the individual, and whoever has seen the wreckage of small savings and blasted hopes, which so commonly at-

tend the inconsiderate heeding of this wholesale advice, cannot sleep well o' nights unless he does what he can to help rationalize the whole proceeding. The further fact that what is true of this country is also true abroad, even in Japan, indicates that we may have passed the peak of the rage of humanity to herd together like cattle. For the most part this body of people in our agricultural colleges knows what it is about. Its choice has been deliberately made early in life and before assuming family responsi-

bilities. Furthermore, it is in a position to become informed, and from every count the individuals involved will be fully competent to take care of themselves. They have their problems, to be sure,

but they are keenly aware of the fact and are preparing for their solution. What is here written therefore is not intended for the student of the agricultural college.

Nor is it written for the well-to-do suburbanite who desires to build a country home. The impulse to build a home is always good, especially in the country, where the investment is likely to prove so satisfactory that if anything is sacrificed it will be the city property; and one more family will have learned how many things we can do without, coming to understand better than ever before what the Master meant when he reminded us that "a man's life consisteth not in the abundance of the things which he possesseth."

### The Middle-Aged Worker's Problem

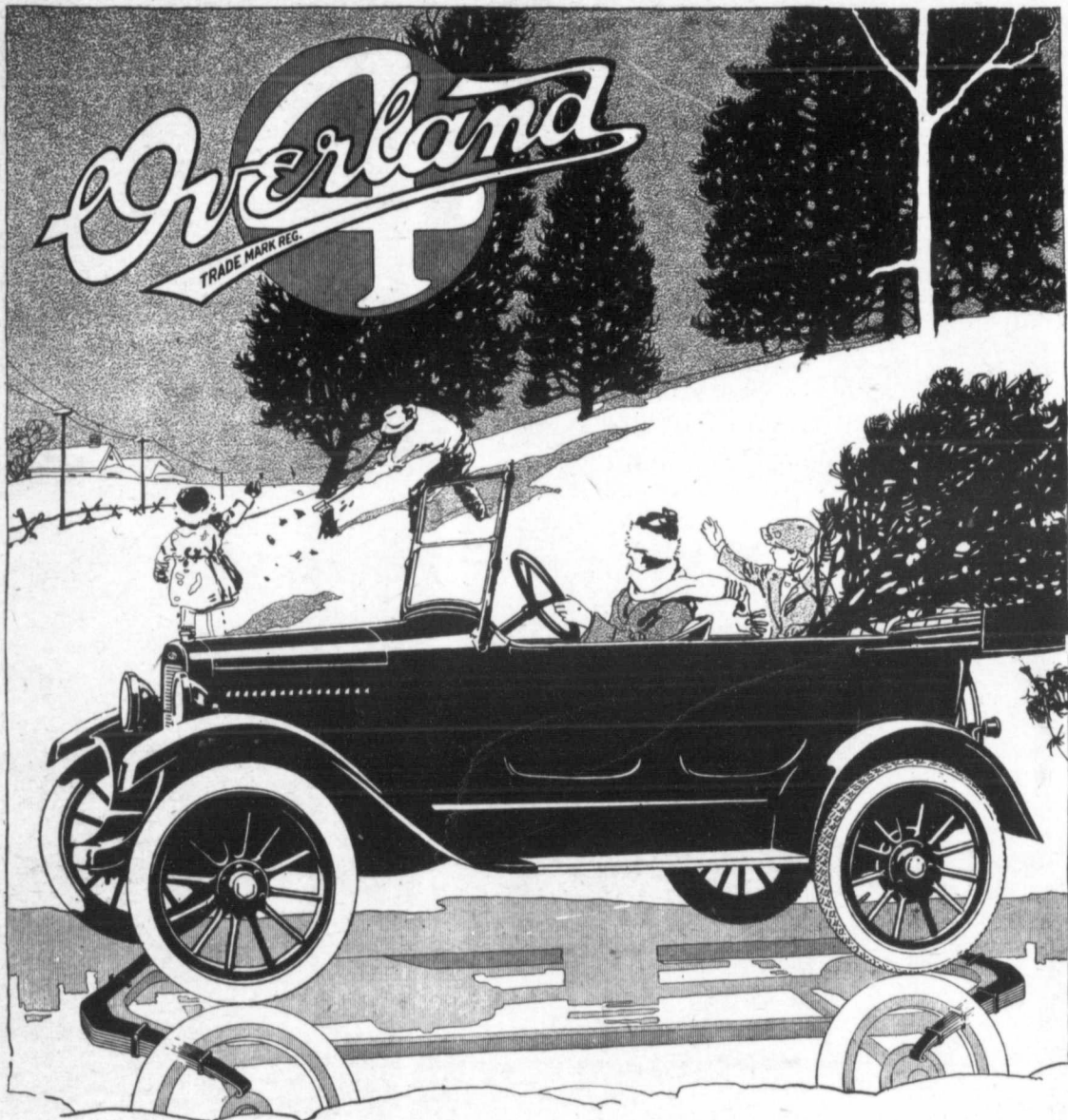
Nor is it intended for the successful business man who would operate a model farm in the country, either as a plaything or to show how easy it is to conduct a farm according to business principles. Thereby hangs a tale, but it is a different story, and besides, this man will never be satisfied until he indulges his hobby in this direction, however much or little money he may make or sink in the enterprise. He will do some good and little harm, even to himself, and such a man can well afford to indulge this or any other desire that has developed with the years. His problems are, therefore, not at all in the mind of the author at this time.

The inspiration for this article comes from two sources:

First: Correspondence from people under employment but now approaching middle age, such as clerks, salesmen, accountants, and others occupying subordinate positions in vast manufacturing or other commercial enterprises. These people, feeling no longer the buoyancy of youth and seeing old age creeping along, with little or nothing ahead against a rainy day, hope to better their condition by going to the land—a hope



Bridge Player (to partner who is playing worse even than his habit):—"Whenever I have you for a partner, Mac, I feel I'm living beyond my means."



## A Wonderful Family Gift—Overland 4 With Three Point Suspension Springs.

**G**IVE your family a Christmas gift of "smooth roads" this year. Give them the new Overland 4 with Three-Point Suspension Springs, the greatest riding improvement since pneumatic tires.

The Three-Point Springs dissipate jolts and reduce sway and vibration to a minimum.

They make riding on any road smoother and more enjoyable.

With these springs Overland 4 seems to sail over bumps, cushioned from the shocks

of the worst roads, with a road steadiness never before approached by a light weight car.

The Three-Point Springs attached diagonally at the ends of a 130-inch Springbase give long wheelbase steadiness and comfort with 100-inch wheelbase lightness, economy and driving ease.

By protecting the car from road blows they prevent excessive wear, give every part longer life and make Overland 4 very economical in upkeep.

A still further source of economy in Overland 4 is its light weight which saves in the consumption of oil and fuel.

With all these important features, Overland 4 is in addition a car of marked beauty and smartness of design. Its equipment is complete from Auto-Lite Starting and Lighting System to Rain-Vision Windshield.

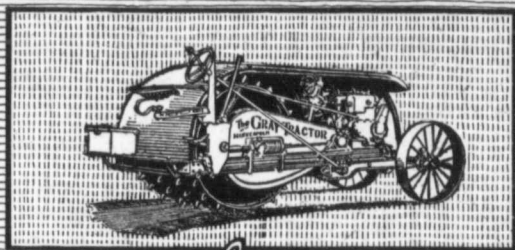
Ask the Overland dealer to show you this unusual car. Try its remarkable riding ease. It sets a new standard of comfort. Booklet on request.

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### A Machine for Better Work and Longer Service

Farmers who demand quality in construction, material and workmanship, who demand that care and attention be given to the individual parts, however small, thus making a perfect finished product, are the discriminating buyers who have chosen the Gray Tractor with the Wide Drive Drum. They know its individual point of excellence.

The Wide Drive Drum is a great asset. It crushes weeds and all trash flat ahead of the plows. It distributes the weight, and assures perfect traction, even under unusual conditions.

Other features are—the direct drive, no level gears, no differential, straight spur gear trans-

mission with shafts running on Hyatt roller bearings, three point suspension frame, dustproof construction with all working parts running in an oil bath. The four-cylinder Waukesha motor is built for heavy work, and the equipment for lubrication, cooling and ignition are chosen for their individual excellence.

Now is the time to get full particulars and make a thorough investigation of the Gray. Full details sent upon request.

**Gray Tractor Company of Canada Ltd.**

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WINNIPEG - - MANITOBA

# GRAY TRACTOR

## WITH THE WIDE DRIVE DRUM

that has been fed fat by highly colored literature not much hampered by the facts. An occasional teacher is also ready to offer the small savings of a lifetime on the altar of public progress and private independence.

Second: The common prediction that many young men who have been drawn from sedentary occupations into the army and have learned thereby the many advantages of out-door life will head for the land as soon as discharged. Whether this prediction is well founded is a matter of grave doubt in the author's mind, but here possibly is another group to be added to the class just described.

In any event, the first-mentioned cases still hold and are likely to increase in number; and

there are some things which the city man should know before he cuts loose from accustomed employment, especially in middle life, and goes to the farm to better his condition. Few seem inclined to speak plainly about these matters. Yet it is this thankless task that the author has set himself, after numerous requests, being fully convinced that we shall in the long run have more of the right kind of people upon farms if everybody who invests his savings in land does so with eyes fully open in advance.

Freedom from restraint and from the daily grind of monotonous detail; the ability to "lay off" a day without asking anybody's permission; the luxury of being ill without feeling that some superior is sizing one up

as to one's health prospect and looking up one's birth register; the joy of being one's own boss, thereby laying that ghost of fear of the younger man; the assurance that the farm will be good to one in his old age—all this goes to the credit side of the account and it is a mighty entry.

As a kind of excess asset the farm is a great place for raising boys—far better than the street and the alley, with cheap shows for amusement. Just a pig or a calf sacrificed now and then as the personal property of the boy will keep him busy and contented, and he will just grow up naturally into a real man.

Good air and plenty of it; free sunshine and abundant room; time to be with one's family; freedom from a multitude of petty de-

mands both for time and money—these go into the reckoning, too, and they count heavily with the country-minded city man.

But there are other considerations. In the words of the economist, we cannot eat our cake and have it too. If we are to enjoy the advantages of country life we must pay the price, and we must expect to operate under conditions that will not be altogether free from certain limitations and difficulties that sooner or later must be reckoned with—the sooner the better.

### Little Chance of Getting Rich

It may as well be understood in advance that farming at best is but a small business; and even the employee who considers himself grossly underpaid has been, after all, enjoying a monthly or a weekly income considerably in excess of what most small farmers receive after investing in land, teams, tools and other equipment to an extent that would surprise the novice who has never thought beyond his own personal needs. If all this is true of farmers in general, it will be doubly true of any farm which can be outfitted with the small savings likely to be available to the class of men under consideration.

Having been for many years accustomed to big things, this would-be farmer will almost inevitably look upon farming as "small potatoes and few in the hill" when the actual experience comes; and before making the venture he should be quite certain that he is not of those who would rather clean spittoons in a million-dollar building than husk corn out-of-doors on a frosty morning.

There is no reasonable possibility of getting rich upon the farm, stories of phenomenal success to the contrary notwithstanding. Those stories will bear investigation and most of them harbor a joker somewhere. If the man can succeed upon the farm he will be sure of a good living with a little margin for a rainy day, and his farm will not discharge him merely for gray hairs. Beyond this he cannot go and he must not indulge his fancy in speculations. Castles in Spain are well enough, perhaps, for the young not yet started in life, but the people now in mind have passed the period of dreaming and must be willing to look facts squarely in the face if they are to go to the land.

The income from the farm is not assured, nor does it come regularly in guaranteed weekly or monthly installments, as has been the custom under employment. The farmer must plan and plant with the hope of harvesting three, six, or twelve months hence, and even so, at the last

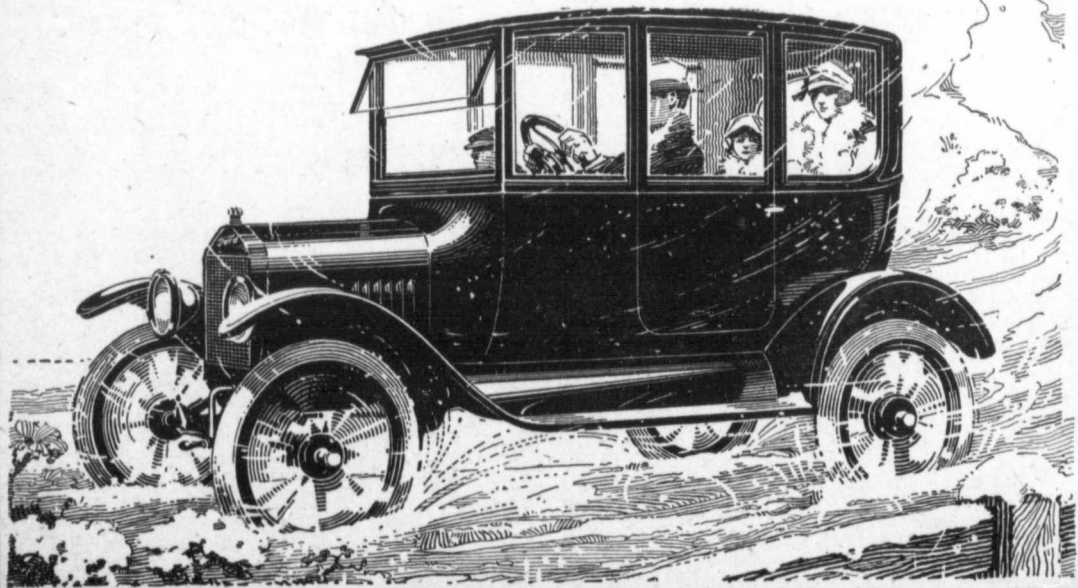


*Ford Motor Company*  
OF CANADA LIMITED  
FORD, ONTARIO

*A LASTING CHRISTMAS GIFT*

*The Ford Sedan  
will be a constant  
source of pleasure  
in the years to come.*

*Make this Christ-  
mas the beginning  
of a long season of  
happiness by pre-  
sented the Family  
with a Ford Sedan-  
the car of comfort  
at a reasonable price.*



**25 CHRISTMAS DAY**

**The Gift for the Day**

**THE RAZOR THAT SHARPENS ITSELF.**

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**STANDARD SET NO. 1** (as illustrated), consists of heavily silver-plated self-stropping AutoStrop Razor, twelve AutoStrop Blades and a Strop—complete in handsome Black Leather Case lined with Velvet and Satin. Price—\$5.00  
The same Outfit can be had in Leather Cases of following colors:—Blue, Green, Maroon and Red.

**SET NO. 50**—Contents as above, but in polished Nickel-plated case, or in Engraved or Plain Metal Cases, \$5.00 finished gun-metal. Price.....

**SET NO. 7**—Contents as in No. 1, but in a compact pocket folding case—Black or Brown. The Outfit includes a Metal Mirror. Price..... \$5.00

**COMBINATION OUTFITS** containing Shaving Brush, Soap, etc., in various styles, from \$6.50 to \$15.00 per Set.

See the AutoStrop Razor assortment at any Drug, Hardware or Jewelry Store. You will find a style to suit your desire.

**Auto-Strop Safety Razor Co. Limited**  
AutoStrop Building, Toronto, Canada

**Auto-Strop Safety Razor**  
MADE IN CANADA

not on faith, then upon hope and precious savings. Not only that but he must find a way to run his business until receipts do come in and this, too, whether crops succeed or fail. Besides, when one sets up a business of his own, he must assume certain risks from which he has hitherto as an employee been protected by a guaranteed wage. This, too, he must not forget.

There is one real and often unexpected problem in going from the city to the farm, and that is the school situation. In the city the employee had thought but little about it. Property owners and other rich people paid the taxes and the board established and conducted schools at convenient places and frequent intervals. In the country it is quite different. Taxable property is far less abundant, though the assessor finds a greater proportion of it. This city man turned farmer may, therefore, be a taxpayer for the first time in his life and yet find himself without suitable schooling for his children. This is a real situation, for, of course, this man cannot see his children "go backward" or in any way suffer in their educational advantages by reason of his change in business. He must bestir himself about the school and in this way he will begin to take many good lessons in citizenship and to understand some of the unsuspected problems that confront the farmer.

He may not be able to attend the church of his choice and will, indeed, be lucky if he finds any at all worth attending, for Protestantism has not yet become adjusted to the exigencies of country life.

For the man who really decides to make the change from city to country there are certain difficulties to be overcome that must not be left out of the accounting.

The changing of business in middle life is not a small matter, especially when the change is made from employment in a subordinate capacity to operating an independent business as complicated as farming, even on a small scale. The tradition that "any fool can farm" is to be taken with several grains of salt, particularly in these days of high specialization.

When engaged as a subordinate in industrial, commercial or other form of organized employment, the man goes "on duty" at a given hour; his work is exactly prescribed, and whether it fits in to and harmonizes with that of others in such a way as to get results is no concern of his—that is the business of the boss or the manager. He performs his small round under inspection and possibly under instruction, cer-

moment he may see his hopes blasted. They will not all be blasted, it is true, at any one time, but there is rarely a year when something does not go wrong and in a way seriously to cut into anticipated income. The investment in land and labor must be made in faith, however, and in advance, so that a failure on the farm means something more than the loss of income; it means also the loss of capital invested.

The irregularity of the farm in-

come is a matter of great inconvenience, especially to those of small means, and if these people go upon the farm they must not expect always to have plenty of small change in the pocket for picture shows or other entertainment, nor for the latest styles, especially if cholera should take the pigs.

Many things to which the city man has become accustomed will be left behind when he goes to the farm. He will not only be less

accessible to the theater, the club or the music hall, but he will have to build his own fires, lug his own water and keep his own pipes and pumps from freezing. He will be obliged to clean his own sidewalks—if indeed he has any to clean. In any event, he must break out his own roads and at certain seasons he will walk much in the mud.

In some way the prospective farmer must manage to live while his farm is getting started. If

tainly supervision, leaving the outcome to others. Not only that but when "off duty" there is no feeling of responsibility. Indeed, freedom from responsibility is in the mind of the typical employee the chief desideratum in being off duty.

Upon the farm one is always on duty, and nobody but the farmer himself cares whether things get done or not. If the farmer leaves the gate open the pigs will root up his garden, and though no overseer will report him the garden truck is gone for good. If the cow is sick or the lambs are coming, the farmer must tend to them, hours or no hours, nights, Sundays or holidays. The man who goes to the farm gives up forever the joys of irresponsibility and the privileges of going "off duty." This is a price that many will not pay if they know the conditions of the deal.

"I was born upon the farm" is a favorite expression with many people who seem to assume that thereby they inherited some sort of native ability in matters agricultural. Not at all. The donkey was born upon the farm too. Besides, the fact that a man was born upon the farm thirty or forty years ago is even against his chances of success.

One of the chief difficulties in practical procedure for the man giving up his position to go upon the farm is the problem of living without salary until proceeds begin to come in from the land. After the change is decided upon the man cannot well find the farm and stock and equip it in the winter, and if he could it would be some months before income would begin to come in. This is the so-called "starvation period," and it is a real issue, because the expense of moving and of getting equipped and started is always more than was anticipated. The prospects of living six months, for example, without income after all the savings have been invested is not an engaging one to a man in middle life, about to change into a business where success, to say the least, is problematical.

There is one reason why it is always safer and generally in every way better to go at first upon a farm as an ordinary hired helper, choosing a farm as nearly as possible like the one it is intended to develop. Of course the independent start must be made sometime, but it is better deferred until some actual experience has been had.

Commonly, men with whom farming has become a disease late in life want to do the big things, and that is an evidence of their need for advice, especially if they have but little money. They want to breed cattle, horses,

sheep, pigs, and likely as not, dogs, chickens and pigeons, and that without knowing the merest rudiments of the breeder's art; without even having heard of the law of diminishing returns they want to raise bumper crops, such as they have read about in prize essays. They are infatuated with the spectacular, having little conception of the prosy, everyday kind of farming that most people do all the time and the best farmers do most of the time.

In general, people who have lived half of their natural lives in the city will get on best and live happiest with some kind of suburban farming which does not take them too far afield from their habitual environment. There are plenty of exceptions, to be sure, but oftener than not dairying, poultry farming, small-fruit raising, vegetable gardening, bee-keeping and other forms of farming that are carried on near the city will be found not only more attractive in themselves but involving fewer changes in the habits of life.



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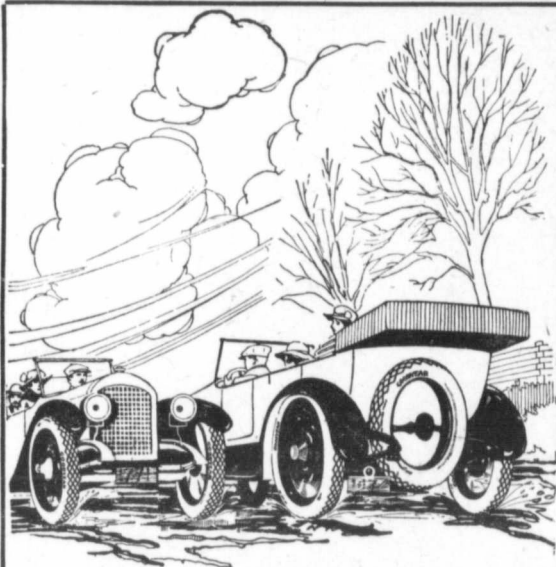


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In and under the All-Weather Tread are those qualities which have made Goodyear Tires the most demanded tires in the world. Long-mileage, freedom from trouble, easy riding and easy steering, all these virtues are the outcome of years spent in constant tests and experiments. They reach their peak in the Goodyear Cord Tire.

But the Goodyear Cord Tire carries the All-Weather Tread. Because, in all our experimenting, we have found no improvements for the All-Weather Tread.

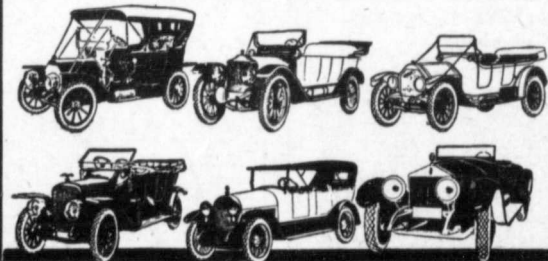
With Goodyear All-Weather Tread Tires on all five rims, no tire change spoils the balanced appearance of your car.

Its sharp-edged blocks of tough rubber resist skidding; carry you around corners; pull you across snow-banked car tracks and out of the ruts; dig down through snow and mud and get a grip.

Front-wheel skids (the hardest to control) are prevented.

See a Goodyear Service Station Dealer about your tire equipment and his mileage-making service.

The Goodyear Tire & Rubber Co. of Canada, Limited  
1900-1920—Goodyear All-Weather Tires have dominated



## The Short Cut to Efficiency in Farm Mechanics

RECENTLY I heard a college professor make the following statement to a class of young men to whom he was lecturing: "Boys, you are too expensive material to waste. The world needs you, as it never needed you before. A great world war has depleted our manhood and taken from us a great many of those who would have helped to make the world bigger and better. You have a big responsibility, because upon you devolves the task of doing the work that they would have done."

Never before has there been such a need for efficiency in agriculture. Wheat that is sold for \$2.20 per bushel, and all other farm products in proportion shows us nothing more than that there is an unusual demand for the products of the farmer. The present high prices for grains and live stock did not just happen, but they came about as a natural result of a disturbed economic system, and what is more to the point, it will be some time before we settle back into our old scale of prices, if ever.

This means that the farmer of to-day, if he is to take advantage of the opportunities offered must become more efficient and do more work and better work in the same space of time. It further means that he has got to equip himself mentally as well as physically.

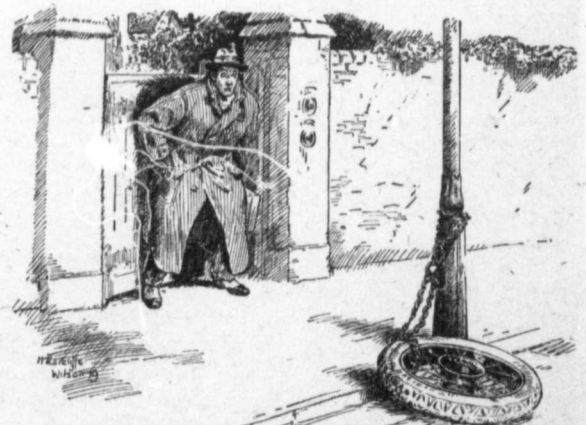
The automobile, the tractor, improved farm machinery of all kinds, the electric lighting plant, the power washing machine, the small utility gas engine, etc., etc., put into his hands the most modern and efficient of tools with which to work, but unless he understands their full importance—how they work—why

they work, and what is more—how to keep them working all of the time, he is not far removed from the days of the ox cart and the crooked stick.

It has been said, and justly so, that no matter how well a tractor is built it is no more than 50 per cent a tractor. The other 50 per cent is human brains. This is true of almost any farm machine. It has taken the best of engineering skill to build them, and it takes knowledge and skill to operate them. It is possible to gain this skill through years of experience, but experience is a costly teacher. By the time the experience is gained, the experimenter is ready for the grave, and the knowledge which he has gained cannot be left in his last will and testament. It therefore behooves us to look for the short cut.

We have our schools and colleges maintained at public expense, excellent institutions for those who can afford the time and money to take advantage of them, but it is not within everyone's province to attend these schools, and as knowledge must be obtained from some other source, granting that experience is too slow and costly a teacher, we must find some other short cut. This short cut is the so-called trade school.

We had occasion, recently, to spend several hours in looking through the Hemphill Trade Schools, at Winnipeg. We arrived at the lecture room just as the instructor, capable and with a full knowledge of his subject was laying the foundation for a class of about fifty young men, so that they might, within a short time be able to build upon this foundation with practical experience.

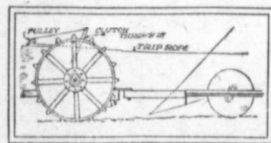


Our Bob, who makes a point of padlocking his new car by the front wheel to a lamp post, realizes the justice of the maker's claim that the spare wheel with which it is fitted "can be fixed by anyone in two minutes."

The lecture itself was upon springs, and as we listened we realized that those who followed it closely would have far more respect for all kinds of springs in the future than they ever had before. We saw all sorts of apparatus in this school, such as carburetors, magnetos, rear axles, batteries, radiators, transmissions, differentials, all arranged in such a way that the student could easily grasp their relation to the completed machine. We then went to the machine shop where we saw the students grinding valves, adjusting tappets, welding by the oxy-acetylene process, led into the mysteries of the storage battery, babbitting bearings, etc., etc., and we said to ourselves, "This is a good method of instruction, and well worth the money charged for it. It first shows the student what to do, and then it shows him how to do it, by doing it himself."

Hemphills are building a large institution of short cut learning, if we may be allowed to use the expression. They are filling a gap. They are in no way discounting our higher institutions of learning, but they are making the farm boy more efficient in the operation of his farm machinery of all kinds. The fundamental idea of Hemphill Trade schools in all of their nine institutions, is to give the student unlimited instruction and unlimited time in which to take his course if he so desires.

**A CLUTCH TRIP ROPE**  
**A** SIMPLE contrivance which I have on my tractor will save anyone who uses it many repair bills and much time. It consists of a trip rope attached to the clutch lever of the



The Trip Rope Saves Breakage

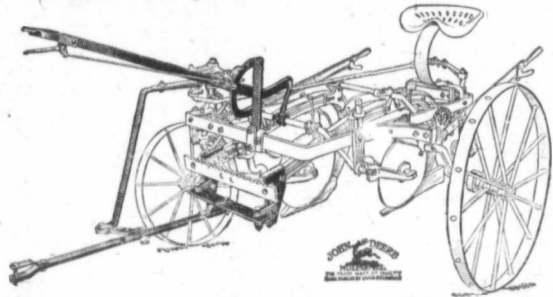
tractor and leading back to a point conveniently near the seat of the implement. It is to be used where an operator rides on the implement, such as a binder, corn harvester, and so on.

When something goes wrong with the machine or on coming upon some unforeseen obstruction, it becomes necessary to stop quickly to avoid breakage. With the noise made by the tractor and other machinery it would be difficult to get the tractioneer's attention and have him stop soon enough. With the trip rope, a quick pull by the operator of the machine stops the rig instantly with no inconvenience.

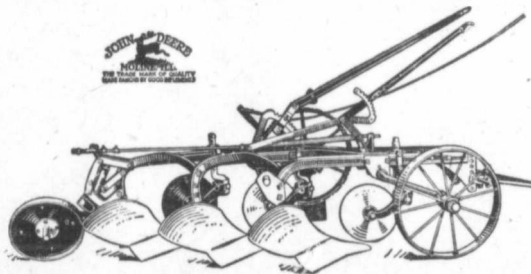
# John Deere Plows

It is no longer a question of buying implements when you need them, but getting them when you can—this applies especially to John Deere products

New Deere light draft gang with John Deere quick detachable shares. Easily managed, very strong. Foot Lift, Auxiliary Hand Lift, Landing Lever.



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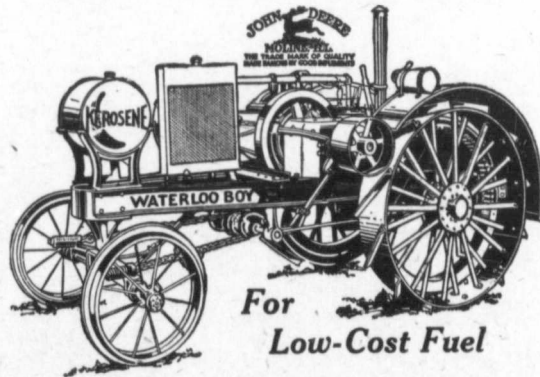


John Deere Pony Tractor Plows with John Deere quick detachable shares, high and level power lift, rolling coulters and jointers, high clearance. High grade work first furrow to last.

At this season

we send  
 Heartiest Greetings  
 to our  
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 who have helped  
 themselves and this  
 organization to greater  
 prosperity through  
 John Deere implements

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See your John Deere Dealer now about your spring requirements.  
 Get folders from him or from us direct

**JOHN DEERE PLOW CO. LIMITED**

WINNIPEG REGINA SASKATOON CALGARY EDMONTON LETHBRIDGE



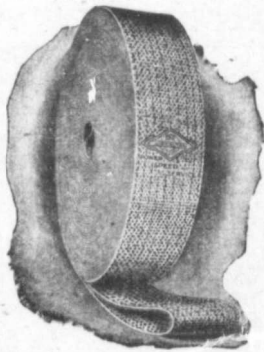
## You Get Your Money's Worth in Dunlop Belting

**T**HE farmer is recognized, generally, as a discriminating buyer. He is a keen judge of values and knows when he gets his money's worth.

As manufacturers of Thresher Belting and Belting for general farm use, we welcome the buyer who demands his full money's worth. We have studied the Belt Problem thoroughly and thus know how to make belts that will render just the kind of service they are expected to in order to justify their purchase.

If you want a particularly high-quality belt in the frictioned-surface type, we recommend

### "Gibraltar Red Special"



You may not consider this a cheap belt in point of first cost, but you will eventually look upon it as a particularly good investment in point of satisfaction and length of service.

"Gibraltar Red Special" is constructed of the strongest procurable duck, built up in plies which under pressure become inseparably welded together. The high quality of the friction makes stitching practically unnecessary, but in cases where buyers prefer it we

stitch the belt at no extra cost to you.

If you prefer a stitched belt of the rubber-covered type, you will be glad to make the acquaintance of our new

### "Hercules Thresher"

The duck in this belt is much stronger than that usually employed in belts at this price, and the quality of the rubber friction is a great deal higher. The red rubber cover is especially tough and wear-resisting and the belt is stitched with the strongest thread we can buy. Attractively priced, "Hercules Thresher" is bound to make permanent friends among users of thresher belting.

Next time you require a Thresher Belt, ask your dealer for either of these brands. It will pay you, for you will get your money's worth and entire satisfaction.

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# SERVICE

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## QUESTION AND ANSWERS

**Question:**—I own a 10-20 tractor and have attended the schools which the manufacturers have put on in Winnipeg, but don't remember having heard anything about adjusting and caring for roller bearings. Can you tell me how to adjust them?

**Answer:**—The tractor which you mention, uses Hyatt roller bearings, which are not adjustable and it is only in rare cases that they need any attention other than an occasional cleaning. If, for any reason, the shaft is taken out of the bearing, this is the best time to clean it. All parts of the bearing should be thoroughly cleaned with gasoline and the bearing replaced with a very good grade of hard oil. If, through some accident or unusual condition, the bearing becomes worn or damaged, the only safe remedy is to put in a complete new bearing.

**Question:**—My motor is not giving very good satisfaction because the pistons and cylinders are worn. As soon as I can stop for a few days I want to overhaul and repair it. Can I get pistons a little larger than the ones that are in now and fit them or will I have to buy a new cylinder block too? My tractor is a 10-20, bought in 1916.

**Answer:**—If the pistons are badly worn you will probably find that the cylinders are also in pretty bad shape and it is not practical to fit oversize pistons to worn cylinders. Take your cylinder block to a good machine shop or send it to the manufacturer and have it rebored and oversize pistons fitted. If you intend taking the work to a local shop, get the oversize pistons first and then have the cylinders bored to the proper size.

**Question:**—My 15-27 gets very hot when working on full load, especially in hot weather. Have gone over the timing and everything else pretty thoroughly but still cannot find the trouble.

**Answer:**—Your tractor motor is supplied with an air heater between the air washer and the carburetor. In very hot weather

you will get better results by connecting the flexible tube from the air washer direct to the one to the carburetor, so that the air does not pass through the heater. These tubes should be connected to the heater in cool weather.

**Question:**—Last summer I bought a 30-60 second-hand, and have been having good success, but the wooden rod from the cam shaft to the oil pump wears out very quickly at the cam-shaft end. Is there any remedy for this?

**Answer:**—The play with the resulting hammering in the hole at that end of the rod serves to cause more wear than the friction. This play also causes very irregular action of the pump. A number of operators overcome this by fastening one end of an old spring (which has become too weak to use on the governor rod) to the pitman and the other end to the lower end of the roof support. This gives a steady pump action.

**Question:**—The grain pan in my thresher rubs on the sills pretty hard. Will this do much harm and how could I fix it?

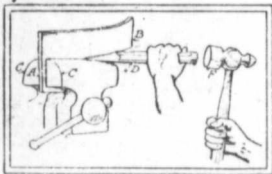
**Answer:**—This is caused by wear in the boxings and should be remedied by new boxings.



"Didna the new minister gie us a grand sermon this morning?"  
"Och, ay, it was awfu' fine. But didna ye notice that he read it?"  
"Read it? Wumman, I wadna hae cared gin he'd whistled 't!"

**SHEARING SHEET METAL**

It is frequently desirable and occasionally imperatively necessary that a piece of sheet iron be sheared to shape quickly, accurately and smoothly. The farmer is not likely to have at hand shears which will cut iron or soft steel of thicknesses ranging from one-thirty-second to one-quarter of an inch. Indeed he is lucky if he possesses a pair of tinner's snips, which would be useless for metal much thicker than one-thirty-second of an inch.



A Vise, Chisel and Hammer for Shearing Metal

But there is a way of shearing sheet metal, even up to half an inch in thickness, and any farmer may make use of this method who has a good iron-working vise, a cold chisel and a hammer. The vise should be in good condition with one jaw, preferably the back one, very straight and smooth. This jaw is to form one part of the shears, the cold chisel the other part and, as stated, metal up to a half inch may be readily cut with these simple tools.

Mark the metal where it is to be cut, then clamp in the vise, as shown by the diagram, with the mark just level with the vise jaw. If the marked line be curved, then clamp the work with a portion of the line fair with the vise jaws and move the plate as soon as the line which lies on the vise jaw has been sheared.

Procure a well-sharpened cold chisel which has been ground to a long, clean, flat bevel. Place one bevel of the chisel flat upon the vise jaw, as shown by the diagram, where A represents the plate to be sheared and B the portion sheared off, which may be wide or narrow as occasion demands. CC represent the vise jaws, and D is the long-bevel cold chisel which lies flat in the cut. The cutting edge of this chisel together with the far jaw of the vise from the jaws of a pair of shears which cut the metal easily and smoothly.

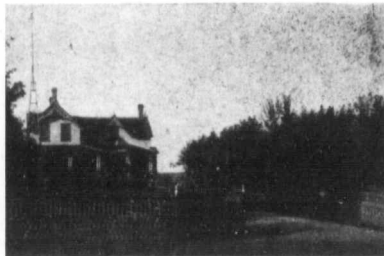
The hammer F should be heavy enough so that it can drive the chisel easily when the latter is held at a considerable angle with the length of the vise jaws. It will not answer the purpose to cut squarely across the vise jaws; neither should the chisel be driven exactly lengthwise with the jaws. Place the chisel

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The Government of Canada supplies annually about four and a half million trees and cuttings FREE OF CHARGE for planting shelter-belts and wind-breaks

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Make your home more cosy.



Shelter-belt about a Saskatchewan Farm Home

Add \$500 to \$2,000 to the value of your farm by planting trees.

To obtain **FREE TREES** to plant in the **SPRING OF 1921** your application must be received **BEFORE MARCH 1, 1920.**

For full information as to conditions of free distribution and bulletins on tree-planting, write to **NORMAN M. ROSS, Forest Nursery Station, Indian Head, Saskatchewan**

**Stylish Portland Cutter**

OPEN OR WITH STORM TOP AND DOORS

**V-40**—Open style. Cutter gear is built of first-grade hickory; the body frame of maple with basswood panels and three-ply vulcan bark and dash. Shoring of heavy channel steel. It is handsomely upholstered in grey whipcord; sides, seat and back are removable. Beautifully painted and finished in black and green. Weight, 230 lbs. Prices include shafts.

F.O.B. Winnipeg .....	<b>63.10</b>
F.O.B. Regina or Saskatoon .....	<b>66.10</b>
F.O.B. Calgary or Edmonton .....	<b>68.10</b>

**V-41—With Storm Top and Side Doors**

Just as Illustrated

This is the same Cutter as the **V-40**, with addition of storm top and doors. Rubber top can be raised or lowered from inside by a convenient lever. Storm front can be dropped as shown or thrown back. Steel side doors are removable. Upholstered in grey whipcord. Painted and finished in green and black.

F.O.B. Winnipeg .....	<b>96.15</b>
F.O.B. Regina-Saskatoon .....	<b>99.65</b>
F.O.B. Calgary-Edmonton .....	<b>101.65</b>

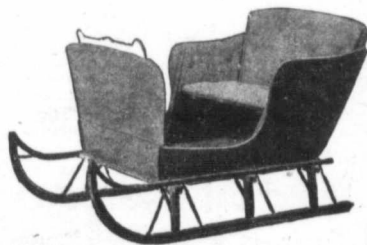


**Buy a U.G.G. Jumper**

**V-48**—A handy, comfortable and inexpensive Cutter that will give you a world of service for years to come. It is strongly built and securely ironed and braced. Shoes are flat steel. Sides, back and seat nicely upholstered. Fitted with adjustable draw-bar, ironed so that buggy shaft can be used. No shafts. Weight, 170 lbs.

F.O.B. Winnipeg .....	<b>32.70</b>
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All U.G.G. sleighs are positively guaranteed



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obliquely so that it will when cutting reach from the front to the back vise jaw. The wider the chisel the greater the angle at which the chisel may be placed, and the more shearlike will be its action—and the more driving power will be required.

About the best angle is from 60 to 45 degrees with the vise jaws,

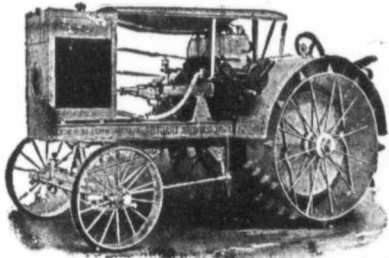
and at any point between these angles the shearing action of chisel and vise jaw will be found very smooth and speedy. But don't raise or depress the cold chisel, for if it does not lie very flat on the vise jaws it will not cut so well nor so fast as when held perfectly flat.

—James F. Hobart.

Mrs. Carter's maid had been married three months, and she was visiting at her former mistress' house. "Well, Emma," asked Mrs. Carter, "how do you like being married?" "Oh, it's fine, ma'am, getting married; yes'm, it's fine," replied Emma. "But lor', ma'am," she added, "aint it tedious?"

## Are You Interested in a First Quality Tractor?

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### If so, you will want particulars of THE WHITE ALLWORK

14 x 28 H.P. 5 x 6 Motor

**NO FREAKS A PLAIN COMMON-SENSE ENGINE**

Four Wheels. Four Cylinders  
A Perfect Kerosene Burner  
Extra Large Heavy Duty Tractor Motor  
Direct Drive: No Chains or Bevel Gears  
Strong yet Light. Weighs only 5,200 lbs.

**EQUIPPED WITH EVERY UP-TO-DATE FEATURE**

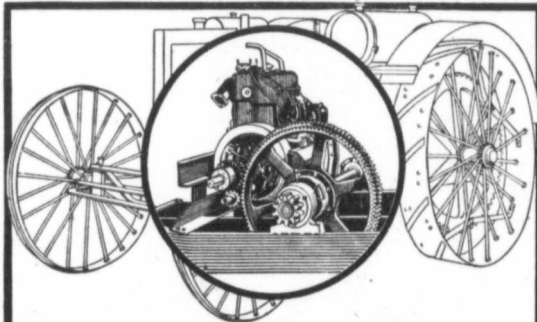
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THE GEO. WHITE & SONS CO., LTD.  
Brandon, Man.

Please send me catalogue and full particulars of White Allwork Tractor.

Name ..... P.O. ....

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## Direct Drive Conserves Power in

12 H. P. on Draw-Bar  
25 H. P. on Belt Pulley

THE **HUBER** Light Four

Draws three bottoms  
Turns an acre an hour

**T**RACTOR economy and tractor power depend largely on the proportion of the power developed by the motor that is delivered to the draw-bar.

In simplicity and economy the direct spur gear drive of the Huber Light Four is unequalled. There are no bevel gears—simply a friction clutch and spur gear reduction to the driving wheels.

Other reasons why the Huber develops such large power in proportion to its weight are: the high wheels roll easier and afford a larger area of "traction grip"; center draft conserves power by avoiding "side pull"; high-grade extra strong materials reduce weight.

These features are the result of 20 years' development. They are behind the Huber reliability that has created thousands of satisfied Huberowners. Write for "The Tractor in the Making". It tells the history of tractor development.

THE HUBER MFG. CO., Marlon, Ohio  
BARKLEY TRACTOR & SEPARATOR CO., Edmonton, Alberta  
THE HUBER MFG. CO., Brandon, Manitoba

Some good Territory still available for Live Dealers.

Weight 5,000 pounds; pulls three 14' bottom plows; 12 h. p. delivered to the draw-bar; 25 h. p. at the belt; Waukesha four-cylinder motor; Perfect Radiator; Hyatt Roller Bearings; burns gasoline, kerosene or distillate; center draft; two speeds, 8 1/2 and 4 miles per hour.

## Future of Farm Labor

By W. G. LOWRIE

**T**O the farmer of to-day there is no question, I think, which is causing him so much concern as the problem of labor. And in spite of the fact that it has caused considerable discussion and that the Government has assisted through its employment bureaux, etc., the problem remains unsolved. It is the purpose of this article therefore, to offer a few suggestions regarding the solution of this all-important problem.

It seems to the writer that one of the great difficulties in attempting to arrive at a solution has been that we have not as yet struck at the root of the situation, and unless the cause is removed, there is little hope for a remedy. By this is meant, that, instead of trying to find out the reason for so many men leaving the farm for city occupations, and so few returning to the land, farmers have evidently taken the situation as a matter of course. A little consideration of the matter, however, would, I think, throw some light on the situation.

Take, for instance, the question of hours on the farm. It is safe to say that there are few farms on which the day's work is completed within twelve hours, and there are more, I venture to say, where fifteen or sixteen is the rule. Now, with all due consideration for the farmers, it must be said that such a condition should be improved, and in fact, will necessarily improve if we are to retain sufficient labor on the farm. If farming were the only occupation, then we might have little difficulty in securing efficient labor and in sufficient numbers, but with so many other industries offering shorter hours, and urban life so attractive, the problem is more serious. It therefore behooves the farmer, on his part, to at least reduce the

hour limit to a minimum. Then another important phase of the problem is that of wages. And while farm wages have increased during recent years, even yet they do not compare favorably with those obtaining in the city. If the city man can earn from thirty to fifty cents per hour—and he does—it can be readily seen that the present farm wage schedule must be improved in order to induce laborers to the country. This is surely only a reasonable conclusion, and while we are aware that in many respects, the prices of farm products do not justify it, the fact remains that higher wages must be a feature in the new scheme of affairs.

But we cannot stop there; for we have still to consider the question of recreation. The present indefinite system of labor on the farm, in most cases, practically ignores the personal welfare of the "hired man." His city cousin enjoys the privilege of two or three hours daily, for the purpose of recreation and self-improvement. Surely, then, those who volunteer their services on the land deserve consideration. There is not always the enviable position and, being human, they, too, require recreation. Like their urban friends, they have tired muscles to relax, a mind to cultivate—in short, a life to live. Recreation means a better and more contented class of labor which, in turn, reflects also to the benefit of the employer.

In this connection, I think there lies a great opportunity for the rural district; namely, in establishing a community centre. Where possible, provision should be made in such an institution, for a gymnasium, library, reading-room, assembly-hall, etc. Here the young people of the commun-



At the Unemployment Bureau.—"Any danger of a job this morning, gu'nor?"

ity, including, of course, farm help, might assemble for the purpose of social intercourse, entertainment, etc., and thus find an interest in life. Where feasible, such a centre might also serve as a community apartment house, where farm help could dwell, and in this way add to the welfare of the helpers and the community at large.

There is yet, however, another point which deserves, I think, some consideration, namely, the profit-sharing plan. Even if we assume a higher wage schedule, it is still to be remembered that the wage-earner, to a more or less degree, lacks interest in his work. This is only natural to expect. If, however, an arrangement is made whereby the returns to the worker depend upon the efficiency of his work, he is certain to take much greater interest in it. This is also beneficial to the farmer, for he has the double assurance of greater returns, and what is more important, a more efficient helper. When the farmers take their men into their confidence, and both act as partners, rather than master and servant, there is less likelihood of difficulty in securing the desirable class of help.

Needless to say, there are yet many considerations to be met in dealing with this question; only a few have been mentioned. But these—shorter hours, higher wages, recreation and profit-sharing—it seems to the writer, at least deserve the attention of the farmer in improving the labor situation. In spite of the fact that power-farming is doing much to reduce labor and that some of the returned soldiers are being rehabilitated on the farm, there will always be a demand for a certain amount of farm labor. Farming is a noble occupation, of which none need be ashamed. With modern appliances now possible in almost every farm home, rural life may be made quite as attractive, if not more so, than that of the city. As soon, therefore, as the present ills of farm-labor conditions have been remedied, just as soon may we expect the tide of labor to flow towards the farm.

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**A** MOST excellent mixture for stopping holes in metal vessels can be made of litharge—yellow oxide of lead—mixed into a paste with ordinary glycerine. This substance will harden in a few days and will then withstand heat, but not fire, to such an extent that the mixture can be used for mending holes and cracks in steam-heating boilers. Leaks in water pipes and tanks can also be effectively and permanently mended by covering

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J. R. N. Cooke & Co., Edmonton.  
International Motors Limited, Vancouver.

with a single application of the mixture.

To make it up, procure some commercial glycerine. The kind which is obtained in small quantities from a druggist can be used and it will work perfectly, but this kind of glycerine has been refined or clarified and costs much more than the commercial kind.

The glycerine mixes readily with the litharge and can be made up in as small quantities as re-

quired, an ordinary steel kitchen knife being used for the mixing process. When larger quantities are needed, as in certain boiler-repair jobs, the litharge and glycerine can be mixed up in a washbasin with a trowel.

When using this cement, take care that it is mixed wet enough so that the glycerine will wet thoroughly the surfaces to which the cement is to adhere, for unless the surfaces are thus wet, the

dried cement is apt to peel. With the surfaces once well wetted with the lead-filled glycerine, the mixture will stick to both bright and rusty metal, provided flame is not brought in contact therewith. When this happens, the litharge may be decomposed or, more strictly speaking, it may be "reduced" and turned back again from an oxide to metallic lead, in which case its cementing qualities are removed. —J. F. H.



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# The Life of a Tractor

Some Are Going Strong After a Dozen Years of Toil

By B. J. PAULSON, in "Farmers Magazine"

IT was Sir Wm. Osler, I believe, who won undying popularity by declaring to the world that three-score years was the outside limit of a man's usefulness; that at the age of sixty all male survivors of old man "Time's" scythe should inhale chloroform and quietly shake their burden of years into the dust. His theory was probably all right as far as it went, but the chief trouble seemed to be that it didn't go far enough—it fell short by about twenty years. He must have slipped up on his figures somewhere when you stop to consider the captains of industry and finance who are only seventy or eighty years young and still going strong.

But anyway, far be it from me to follow Osler's most illustrious example in the matter of evolving theories on life, whether it concern man or tractor, even though based on water-tight, scientific facts. Just take the matter of tractors, for instance:

Some mechanical "Oslers" have had the temerity actually to fix the period of a tractor's usefulness—in years and even hours, mind you! But—do these theories hold good in actual life? They do not! We may establish a tractor-

life standard working of say, 5,000 hours, which supposed to be the tractor's limit of usefulness—but the tractors, just like the men who refuted Osler's theory by concrete example, live past this life standard.

The nearest that we come to figuring out a tractor's period of life is through a survey of manufacturers' and owners' responsibility. We boil it down to a fifty-fifty proposition divided equally between the manufacturer and the owner—or operator.

If the manufacturer puts good quality material into his tractor, has it built and assembled by expert workmen, carries out a system of continuous inspections covering the entire process of manufacture, tests the finished product and inspects it carefully for any possible flaws before shipping it out, and finally properly instructs the purchaser in the proper care and operation of the tractor, backing up the whole with prompt efficient repair service—if the manufacturer does all these things then he has lived up to his responsibility.

If the owner—or operator—follows the instructions of the manufacturer in the care of the tractor, that fulfills his responsibility. The rest is up to old man "Time"—and the number of years the tractor will give good service may be ascertained just as definitely and accurately as determining the age at which a man's usefulness ends. Let us look into the histories of one or two tractors and see what the tractor owners have to say on the subject:

Back in 1912 Harley Ferriss, of Dropmore, Man., invested in a 12-25 H.P. tractor of a popular make and after using the tractor for seven consecutive seasons Mr. Ferriss writes:



THE TRACTOR'S LOAD  
The tractor has to stand a steady strain, equal to racing uphill with a carload of joy-riders.

"The tractor was put to work in 1913, and since that time it has plowed 1,600 acres, and has threshed 200,000 bushels of grain, and disked, floated and harrowed 200 acres of breaking. I have found that the engine has always had ample power to handle six mottoms in stubble and five in breaking, under all conditions which are to be met with here, and have found it a good and also economical kerosene burner, seldom using more than two gallons an acre.

# INVINCIBLE

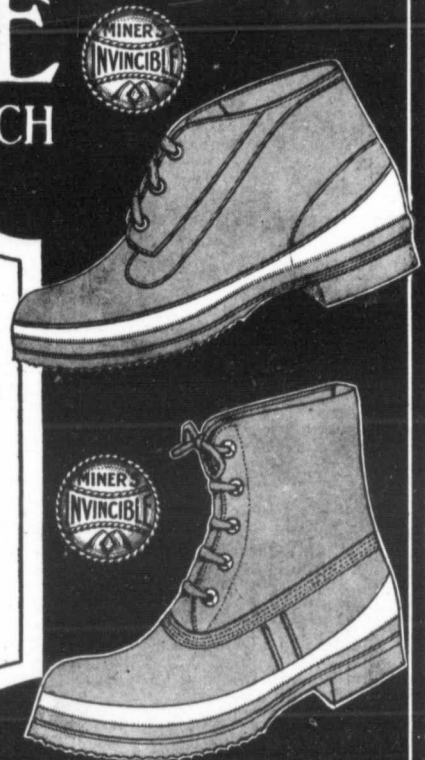
FORMERLY CALLED MONARCH

**I**T takes a good boot to make a man ask for the same make every time, but that it just what you will do after you buy your first pair of "Invincibles". They will wear so long and give such good value that you will come back for them again and again. We know this to be true from past experience and every man you meet who has "Invincibles" on his feet will tell you so. You will know it yourself if you try them once.

"Invincible" Boots and Shoes, are built of the same tough tire tread rubber used for automobile tires, and like tires they are made by the high Pressure Cure Process. That is what makes them the toughest, strongest and longest wearing boot that money can buy.

Ask your dealer for "Invincibles" and get double wear for your money.

**THE MINER RUBBER CO., LIMITED.**



"As for repairs, I have probably paid out about \$200 altogether for the engine. At the present time, I should judge that, by spending about \$200 in repairs on this engine, which would include a new bull gear, bull pinion, piston rings, babbitting front wheels, and some other small renewals, it would be practically as good as new, and ready for another six years' work."

So according to this owner, we find here a tractor the life of which is estimated at thirteen years. Incidentally, any tractor that has plowed 1,600 acres of land and furnished power for threshing 200,000 bushels of grain with only \$200 for repairs during its seven seasons' service has certainly paid for itself well.

And in Alberta we find another tractor with a seven-year record—and still going strong. It is owned by L. B. Wallace, a farmer of Heath, Alta. He bought the tractor second-hand after it had seen three seasons of sod-breaking service in Alberta and, using Mr. Wallace's own words, this is what the tractor accomplished up to the close of 1918, in his service:

"In the summer of 1916 I broke 260 acres, and my expenses for breaking the 260 acres were \$1.75 for new electrode for the engine.

I broke 175 acres on my own place with 10½ barrels of coal oil, and 40 acres on rough, hilly land with 4½ barrels of coal oil, and 20 acres on light, level land with 1½ barrel of coal oil, and 25 acres on light, hilly land with 2½ barrels of coal oil, and I used about 1½ gallon of cylinder oil per day. And on the 260 acres I averaged 10¼ acres per day.

"This outfit is a 15-30 International single cylinder engine. I used a 5-bottom engine gang plow and I hauled the 5 plows breaking except the 40 acres I broke on very heavy hilly land. And in the fall threshing I threshed 38,000 bushels of grain in this district. The wheat was frozen, so I had a lot of hard threshing and a few bushels, and my expense for repairs was \$18.00 for crank box, which was my fault, as I had the oiler set too close for cold weather.

"The size of my separator is a 27-42 self-feeder and blower. In 1917 I broke 140 acres of heavy, hilly land. And in the fall we threshed 15,000 bushels. It was a very poor crop here on account of dry weather; and my expense for repairs was \$18.00 for new crank box, as dirt got in the feed and stopped the oil. In threshing good heavy straw I use from 30 to 35

gallons per day of coal oil. In the fall after threshing I plowed or back-set 175 acres, and I used 4 engine plows, 14 in. and one common gauge 24 in.

"In 1918 I broke 170 acres of very heavy land and plowed 60 acres of summerfallow and 110 acres of spring plowing, using 4 engine plows and one 24 in. gauge and one 28 in. gauge. In the fall I was out threshing ten days, as the crops in this district were a total failure on account of frost and dry weather.

And in the three seasons I used the outfit, my expense for repairs was \$112.75.

"My outfit is still in good shape and with proper care and handling it will last a long time yet."

You will please note that Mr. Wallace concludes with the statement that "My outfit is still in good shape and with proper care and handling it will last a long time yet." Apparently, therefore, the life of this tractor is very indefinite—its eventual demise too distant even for a hazard as to the date of its future departure from its sphere of usefulness.

And then in Manitoba we learn of another "old-timer" that refuses to be chloroformed or put on the shelf in spite of the burden of years and labor it has accumul-

## Snow Melter and Feed Cooker



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Talk it over with the Manager.

## THE MERCHANTS BANK

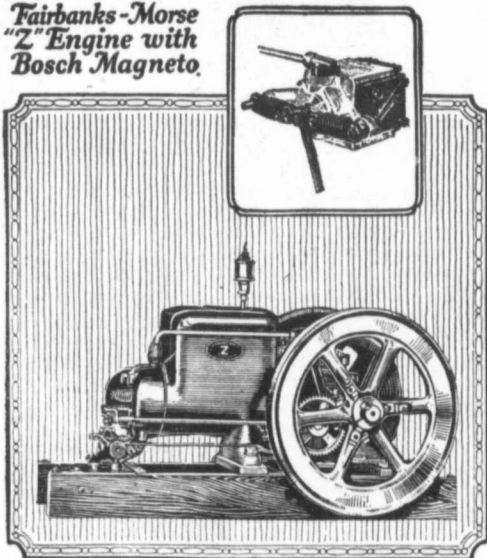
Head Office: Montreal OF CANADA Established 1884.

With its 30 Branches in Manitoba, 44 Branches in Saskatchewan, 74 Branches in Alberta, 9 Branches in British Columbia, 131 Branches in Ontario, 42 Branches in Quebec, 1 Branch in New Brunswick and 2 Branches in Nova Scotia, serves rural Canada most effectively.

WRITE OR CALL AT NEAREST BRANCH.

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"Z" Engine with  
Bosch Magneto*



WHEN the full meaning of this "Z" message is realized—mighty few farmers in Canada will fail at once to call on the nearest "Z" Engine dealer. ¶ This example of master engine building must be seen. ¶ Type and pictures can but suggest this value establishing achievement. ¶ By adding this one possible betterment—Bosch high-tension, oscillating magneto—we complete a rare engine service, fully maintained by all Bosch Service Stations throughout Canada in co-operation with every "Z" Engine dealer—for all "Z" Engine owners.

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### The Business End

of farming demands much attention. Shaw's Business Schools, Toronto, offer unexcelled courses by mail or by attendance. Particulars Free. Write

W. H. SHAW, Pres., 897 Yonge St.

ated since W. J. Parker, of St. Claude, bought it in 1910.

This is what Mr. Parker says about his tractor:

"I purchased a 20 h.p. International tractor in 1910. As I have no time to run an engine myself, I hired a man to run it. He never even saw a gas tractor and never had anything to do with any gas engines previous to unloading this one off the car here. We broke 531 acres of scrub land and made the price of the engine clear of all expenses the first season. We also purchased a 28-inch thresher in the fall and made the price of it clear of all expense.

"I purchased a few gears and one new piston and a few small parts for this engine and consider it practically as new to-day.

"This engine has been used every year until 1918, and it was only laid up on account of the scarcity of labor. I expect to use it to break scrub land with this summer.

"In 1911 we farmed about 350 acres altogether with this engine. We had only one team of cheap horses on the place.

"In 1912 we farmed about the same amount of land, but used a 4-horse team in the seeding as some of the land was too wet for this weight of engine. Since 1912 we have used it for breaking, plowing and cutting grain.

"In 1910 we hauled two 20-inch scrub plows. In 1911 we hauled two 24-inch scrub plows for a month, but found them too heavy, and since then have hauled one steel scrub plow only when breaking. When plowing stubble, we hauled 14-inch bottoms with a packer or harrow behind. When cutting, we hauled two 8 foot Deering binders. We might have hauled another, but I only had the two."

Mr. Parker neglected to make any mention of when he expects his tractor to die. He merely speaks in the present, stating that: "I expect to use it to break scrub land this summer," conveying the impression that the tractor is still practically as good as new.

While we are at St. Claude we find another "unossified" tractor that is still making good and apparently young in service at this time, although Alcode Furetz, the owner, has been running it since 1911, operating a 24-42 thresher and attachments, grinding feed, etc. Mr. Furetz says:

"In reply to your letter I will say that the tractor referred to is a 20 h.p. International and was bought in the spring, 1911. I have used it every year threshing and running a 24-42 separator with all attachments. I do not know the number of bushels threshed, but I was out every year from 25 to 30 days' actual threshing. I also

ran a 12-inch grinder with it, and crushed all my grain and a lot for other people.

"You could not see any wear in the gears of the engine yet, in fact, any place. The original rings are in yet and they do not show any sign of wear. Regarding repairs: I have bought four intake valve springs, about as many igniter springs, a water pump plunger, an intake valve (the stem of the first one broke), and a few igniter points. You can see that my repair bill is pretty small."

"Now, how in Sam Hill are you to figure out how long a tractor will live when an owner uses his rig eight seasons and then says: 'You could not see any wear in the gears of the engine yet, in fact, any place. The original piston rings are in yet, and they do not show any signs of wear.'"

And there is John Thordarson's 20 h.p. "Old Reliable" up at Langruth, Man. Mr. Thordarson got his tractor in 1910. He says:

"We have broken 500 acres of land with it and plowed about 1,600. We have threshed every fall with it and have averaged about 40,000 bushels a year for the nine years that we have had the outfit. On account of the district being pretty scattered, we have had to travel a great deal with the outfit during threshing time. In all I think we've travelled not less than 650 miles or perhaps more, for we travelled over one hundred miles in each of the first five falls that we had the outfit."

Let's see—threshing at the rate of 40,000 bushels a year for nine years, that makes a total of 360,000 bushels, doesn't it? And while meandering about from one job to another this tractor travelled 650 miles. Not a bad record for a 20 H.P. tractor, is it, to say nothing of the plowing it handled between times. Mr. Thordarson states that he spent about \$100.00 in repairs on this tractor up to the close of 1918 and concludes with the statement that:

"I don't think this engine will ever wear out."

We wonder—what would Osler say in a case of this kind—if he had specialized on tractors instead of men?

We skip back into the broad spaces of Alberta and find there the sturdy 12-25 tractor of Donald A. McDowgan, which he bought second-hand after it had been sadly misused for three years. Mr. McDowgan says of this tractor: "Well, we have had our outfit four years and we believe it is worth more money now than when we bought it. We can break four acres of heavy roots in one day, or fifteen acres of clear, open land. We sometimes run fifteen or sixteen miles a day. I don't know the breed of horses that could stand

## In the Spirit of Christmas

We reach out to every farm and homestead in Western Canada and say that no joy we know of is equal to the joy of SERVICE. We know that every thresherman and farmer who has used our belting specialties is blessing us today, and will think of none more kindly as he sits down to his Christmas table. We could make more money—easily—but the satisfaction we have in the knowledge that not a single foot of doubtful belting leaves our factory offsets everything in smaller dividends. Therefore the



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Rubber Belt

and the

**YELLOW  
FELLOW**

ENDLESS THRESHER BELT



remain unbeaten in the field of grain production

and are sold by all thresher companies doing business in Canada. They may cost a trifle more than some fabrics that are always a big risk but that is forgotten in the added years of service, and we guarantee our goods against all disappointment from slippage or breaking. It is not possible to make better belting by any scientific method known at this day.

## Gutta Percha and Rubber Limited

WINNIPEG FORT WILLIAM REGINA SASKATOON CALGARY LETHBRIDGE EDMONTON

this long a day. The engine has earned \$6,000 without expenses since we got it."

You see, here is another case that refutes the "limited life" theory, for Mr. McDowgan says he thinks his outfit is worth more money now than when he got it.

And over in Saskatchewan we discover, not far from the town of Marshall, an unheard of thing—a tractor heirloom—or a prospective heirloom, at any rate. It is a 20 H.P. tractor of the vintage of 1910, at which time it was purchased by E. J. Willard, the present owner. Mr. Willard has used the tractor every season since, breaking prairie sod, plowing stubble, summerfallowing, disking and threshing, and says, referring to the latter: "That fall we threshed 38 days (after breaking 300 acres of land), finishing December 24th, about 30 degrees below zero. The most of the time she was pounding through frozen wheat—long, rank, tough bundles. Believe me, this takes power. She has threshed every fall since, last fall being her ninth season, altogether making a total of 200 threshing days, going over long, rough roads."

Mr. Willard proves that he is a practical optimist by concluding: "From the looks of her the way she ran last fall (1918), I shall have something to pass down to my grandchildren."

In the face of such testimonial

as this, what is there left for the statistical hound, mathematician and theorist to say about the life of a tractor? I'll say—nothing.

### A TRACTOR ROMANCE

By Fenton J. Spaulding

Both Jones and Smith were tractor men;

Each thought the other blind. Smith sold the Form-a-Tractor type,

And Jones the other kind.

Now both these men loved Mary Blake,

Each woo'd her on the sly; Jones tried by spending lots of dough,

To thus a tractor eye.

Smith had a very handsome shape,

It was his only factor; And so he took her to the beach To let his form-a-tractor.

But neither of them ever could

Ex tractor real consent; And so the rivals tractor still, Till death dis tractor sent.

Manager—Sorry, madam, there is no room except an empty bed in our chauffeur's bedroom.—  
New Arrival—Sir, I'm a lady!  
Manager—Yes, yes, but so is the chauffeur.

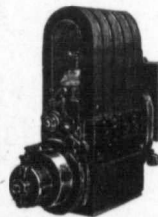
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by wrist pin, repaired by special fusing process, and guaranteed for life of motor.

No warping or change in bore, so you can use old pistons and rings.

We rebore cylinders that have been worn out of true, and fit these with oversize pistons and rings.

Auto cylinders RE-GROUND on special cylinder grinder.

We are specialists on OXY-ACETYLENE welding of all metals.

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56-58 PRINCESS STREET, WINNIPEG, MAN.

Established in 1911



# CASE

KEROSENE TRACTORS



This is Mr. J. E. Couperthwaite, a farmer of Agincourt, Ontario, who operated the winning Case 10-18 Kerosene Tractor.

Here is the Case 10-18 tractor as it appeared in action at the Provincial Plowing Demonstration. This plowing job was declared the best by the judges of the contest.

# CASE TRACTORS

# CASE

KEROSENE TRACTORS



## CASE 10-18 TRACTOR TAKES FIRST PRIZE AT CHATHAM, ONTARIO, CANADA

The Case 10-18 kerosene tractor pulling a three 10-inch bottom plow operated by J. E. Couperthwaite, a farmer of Agincourt, Ontario, Canada, was awarded first prize at the Provincial Plow Demonstration held at Chatham, Ontario, Canada, on October 23rd. This is another victory for the Case 10-18 tractor, this size tractor having recently won first prize at the 41st Annual Wheatland (Ill.) Plowing Contest. (In the Manufacturers' Division.)

The Provincial Plowing Contest honors were won from a field of 27 contestants including well known and recognized makes of tractors. The soil plowed consisted of part clay, clay loam, part sod and part stubble. Thus farmers had an excellent opportunity to see the work of tractors and plows under varying soil conditions. Thousands of farmer spectators who attended the contest followed with keen interest the work of all the plowing outfits. From the standpoint of uniformity and straightness of furrows, plowing the ends and finishing the fields, farmers were convinced that tractor plowing can be done as well and better than plowing with teams.

We shall be glad to send you literature about the prize winning Case 10-18 and other Case tractors. Write today and learn about the simplicity, the sturdiness, the all 'round practicability of Case kerosene tractors.

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(INCORPORATED)  
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To avoid confusion the J. I. CASE THRESHING MACHINE COMPANY desires to have it known that it is not now and never has been interested in, or in any way connected or affiliated with the J. I. Case Plow Works, or the Wallis Tractor Company, or the J. I. Case Plow Works Company.

# CASE TRACTORS

## OUR GREATEST YEAR



In common with the whole British Empire and that "great galaxy of decency" that had the good sense to line up with the Empire in its bid for Freedom, this (1919) has been the greatest year in the life of the "MAGNET" CREAM SEPARATOR. Therefore, we extend the hand of kindly greeting to every friend and patron—past or prospective—and express the hope that the coming festive season may bring still greater joy to the hearths and home links of Western Canada. Satisfaction is the innate experience of every owner or operator of a

## "MAGNET" Cream Separator

After nearly 18 years' constant use on Canadian farms the "Magnet" has established beyond the shadow of a doubt that its square gear drive and ball-bearing adjustments is unequalled as an effective piece of dairy mechanics and has nothing in front of it in last- ing quality.

It is the greatest labor-saving and food-conserving machine ever introduced into Dairy Farming.

DAIRY WOMEN know that the "MAGNET" bowl and one-piece skimmer is easily washed sweet and clean in less than five minutes—a saving of from 10 to 15 days' labor each year over the time required to properly wash the disc kind.

### MAGNET ALWAYS SKIMS CLEAN

because its bowl is supported at both ends, cannot wobble, and therefore will do perfect skimming for a life-time. Dairy men and women can avoid all "misery" by buying the up-to-date "MAGNET" Cream Separator. "Facts are chieft that winna ding, and canna be disputed."

## The Petrie Mfg. Co. Ltd.

Head Office and Factory: Hamilton, Ont.  
WINNIPEG, CALGARY, REGINA, VANCOUVER, MONTREAL,  
ST. JOHN, EDMONTON, LETHBRIDGE

## Thoroughbred!

it pays to buy thoroughbred cattle—and  
if pays to buy thoroughbred clothes—

OVERALLS, WORK SHIRTS etc of

## Stifel's Indigo Cloth

Standard for over 75 years.



Are every inch thoroughbred. Firm, strongly woven cloth, that resists wear and weather. Color that lasts as long as the cloth.

You can tell the genuine STIFEL'S INDIGO by this little mark  stamped on the back of the cloth inside the  garment.

Look for it—and you'll never be disappointed in the wear of your working clothes—for it's the CLOTH in the garment that gives the wear.

Cloth Manufactured by

## J. L. STIFEL & SONS

Indigo Dyers and Printers

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St. Louis ..... 218 Victoria Bldg.  
St. Paul ..... 224 Radicott Bldg.  
Toronto ..... 14 Manchester Bldg.  
Winnipeg ..... 409 Hammond Bldg.  
Montreal ..... Room 509, 459 St. Paul St.

New York ..... 360-362 Church St.  
Philadelphia ..... 224 Market St.  
Boston ..... 11 Bedford St.  
Chicago ..... 223 W. Jackson Blvd.  
San Francisco ..... Postal Tel. Bldg.  
St. Joseph, Mo. .... Saxton Bank Bldg.



## The Automobile Talks

By Professor L. J. SMITH, Manitoba Agricultural College

**EDITOR'S NOTE**—Wouldn't you like to have your car able to speak and tell just how it could be best handled, and when it was necessary to give proper attention to its various parts? Professor Smith is going to tell you what the car would say if it could speak, and is taking the Ford car as a concrete case, though most of the suggestions will apply to other makes of cars. These articles will be especially valuable to beginners.

WELL, here I am at last, ready for my owner. It was a rough ride in the box car, but the packers did a good job and my body hasn't a scratch, though it is still sore from the bumps we got.

This morning a thin, retired farmer looked me over, but I guess he thought that I cost too much. He could have gotten a lot of enjoyment out of me. His wife looked back rather wistfully as they left the garage, and I heard the dealer say that the horse he kept cost him more in a year than I would. I felt rather sorry for the lady. They both looked as if they had worked hard all their lives, and now did not seem to be able to enjoy their well-earned rest. If I were a farmer, I would try to get a little more out of life as I went along.

I hope that I get a jolly owner, and not one of these travellers who are always on the road—not that travellers are not jolly enough, but one doesn't always want to be on the move. Yesterday a traveller came into the garage in a great hurry and left the car for more gasoline. In a

few minutes he hurried back again and rushed out of town in a cloud of dust. His car was badly overheated and needed fixing in a dozen places. The poor car didn't complain, but said, "If they would only tighten up my fan belt! It is so loose that the fan hardly turns. If we strike bad roads, and I have to run on low gear, I know that I will get too hot and my pistons will stick."

A big, jolly-looking farmer looked me over pretty carefully and tried several of us out, finally taking the one right beside me. I wasn't sorry for he would have flattened my springs under the driver's seat in no time. But we cars are not choosers, and must take cheerfully whatever comes along. I intend recording some of my experiences, which I trust car owners will read, and profit thereby.

Someone has said that he was glad that people did not drive horses so much as they so often abused the poor beasts. How about abusing the car? I can't even kick or bite; though we are pretty good at balking if neglected too often. Only the other day a preacher called us the "wonderful iron slaves" produced in this great machinery age for benefit of mankind. Give us the care and usage that we need, and we will make the saying good and will last twice as long as cars do to-day. The span of usefulness is solely in the hands of our mas-



Only the other day it was one horse to four boys; now every "boy" has his driver.

ters. If I register too many kicks in these pages, please do not take them as such, but rather hints for our mutual benefit.

Hurrah! I am sold at last, and I hardly know what to think of my owner. His diction—I think that is the right term—is excellent, but I do not know whether he will make a very good driver or not. He must be a teacher of some kind. He isn't a preacher for the wrench slipped when he undertook to tighten up a loose fender bolt the other day, and he said something that preachers are not supposed to say. However, he may do very well for he seems to be very particular, so much so, that I fear he may be fussy. A car needs a reasonable amount of judicious care; but it is often best to "leave well enough alone." One cannot expect a Ford to run like a Pullman, though a good set of shock absorbers would help a lot, but if Freddy—that's what his wife calls him—would only put a jack under the frame so the weight of the axle and wheels would pull down and loosen the springs a bit, and then pry the leaves apart with a thin, pointed screwdriver and poke in plenty of good grease or tallow with an old case knife, he would be surprised how much easier I would ride.

That is one thing that we don't have in our tool kit—a nice, little screwdriver. The regular one is too big for anything except taking off the transmission cover and testing out spark plugs. Freddy ought to buy a nice, little screwdriver. Some day my contact point which takes the electricity from the magneto out the top of the transmission cover will get all fuzzed up with lint and dirt and weaken the spark so the motor won't start. Then there will be some fun getting the three little screws out to clean it.

The garage man told Freddy that he would give him all the pointers he could on handling an

automobile, and to come right in any time that he thought anything was not just right; but then a man is apt to say most anything when he is trying to sell a car. We have been in rather of-ten, and yesterday just as Freddy was pulling up before the garage for more information I saw the expert slip out the back way and hurry in to the back door of the barber shop at the next street, and when Freddy got inside no one knew where he was. I rather think that we have had about all the assistance that we may expect from the garage man.

We are having trouble getting started mornings. I help all I can, but haven't been on the road long enough to get loosened up and am pretty stiff. Freddy had better use a fairly thin oil for a while until he gets the knack of cranking me. At first he used to pull out the priming wire and try to turn the crank around and around. It was some exercise for the Professor, but his muscles will come to it in time, and he will get so he can put his weight into it in a week or so. He doesn't say much, but I can hear his heart thump, and can see that he doesn't take to it very well, but can't stop, for "everybody is doing it."

The professor has a neighbor a couple of doors up the street who has something to do with gas tractors. I don't think that Freddy has paid a great deal of attention to this man, being as he is in a little higher social plane, so to speak. The automobile is a great leveller of social distinction. Somehow one can't feel that he is much better than anyone else when one is on one's back in the dust under one's car looking for trouble. (I did pretty well without that word "one," didn't I? I hear it rather often now, and one must improve one's opportunities, you know.) But to get back; now we say, "Good morning, Mr. Burke,"



WHAT NEXT?

Captain Keelhaul: "Why, what on earth's the sense o' having an ocean if ye're goin' to by across it?"

# Simplicity

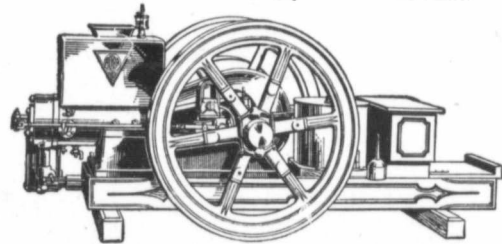


THE ALPHA Gas Engine is remarkably simple in construction, which makes its operation very simple—it runs whenever you want it to run.

The ALPHA has no electric batteries, no spark coil. It starts and operates on the magneto, which is so simple and well made that it is guaranteed to last as long as the engine. All other parts of the ALPHA are equally simple in design and superior in workmanship.

That is why the ALPHA has the reputation of being the best engine buy on the Canadian market.

If you don't know who handles the ALPHA in your vicinity, write nearest sales headquarters for his name.



## THE DE LAVAL COMPANY, LTD.

LARGEST MANUFACTURERS OF DAIRY SUPPLIES IN CANADA.  
Sole manufacturers in Canada of the famous De Laval Cream Separators and Ideal Green Feed Silos, Alpha Gas Engines, Alpha Churns.  
Catalogues of any of our lines mailed upon request.  
MONTREAL PETERBORO WINNIPEG VANCOUVER  
50,000 BRANCHES AND LOCAL AGENCIES THE WORLD OVER

# Cletrac

TANK-TYPE TRACTOR

Better Work  
Faster Work  
Cheaper Work

The Cletrac is not through its work when it has done a fast, heavy job of plowing.

Back it goes on the plowed land—without packing it down—without slipping. Riding on top—running on its own tracks—it works up the seedbed with disc, harrow and drag—and puts in the crop.

You get more money out of your farm from that kind of work—bigger crops—less danger from drouth.

The Cletrac burns kerosene distillate or gasoline. Handles easily. Turns in a small radius.

**A. Cawthorp, of Ramsey, Alberta, says:**

"I did about 110 acres breaking during the months of May and



June. Used two 14-inch bottoms on the United Grain Growers' Lacrosse Engine Gang.

Soil conditions—chocolate loam. Average depth 5 inches, and the soil became quickly dried out.

Used Cletrac to draw a 10-foot tandem disc on the plowing for twice over, then an 11-foot heavy timber float with 10-foot inthrow disc attached, once over to level and smooth surface.

No delays or breakdowns. Just go ahead as steady as you wish to work."



"Selecting YOUR Tractor"  
FREE Booklet of Information

You can decide better what type of tractor YOUR farm needs after you read this book. Find out what a tractor can do for you. Write for this booklet.

The Cleveland Tractor  
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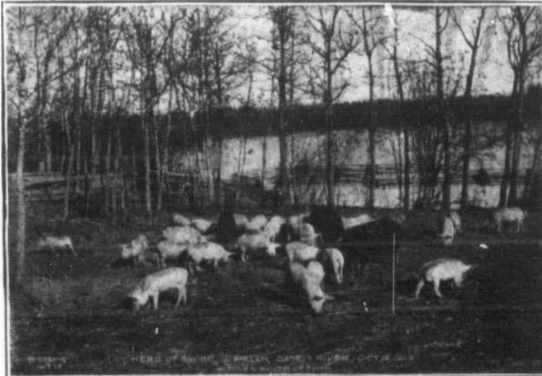
## The Province of Alberta

*Offers Good Opportunities for  
Home-makers and Investors*

### RESOURCES

**LAND:** Only forty million out of one hundred million acres of good plow land have gone into private possession. Homesteads are available in the Peace River Valley and other parts of the province. Investors in improved lands can secure farms at from twenty to sixty dollars per acre and irrigated land from fifty to one hundred. Alberta excels in cereal and fodder crops. The soil produces the best of hard wheat, heavy oats and barley as well as rye and flax in large yields. It produces a great volume of fodder and roots and phenomenal crops of vegetables.

**CLIMATE:** The climate of Alberta is attractive. It is moderated in winter by warm westerlies over the whole of its length. The local Chinook of Southern Alberta brings summer temperature into mid-winter. The warmth of summer days is relieved by cool nights. Precipitation is about twenty inches annually.



**LIVE STOCK:** The province is distinguished for its live stock. It has the largest pure-bred horse and cattle properties in the Dominion. It has still larger ranch properties in sheep. Mixed farming is followed over the greater part of the province. The dairy output of 1919 will pass the thirty million dollar mark.

**MINERALS:** Alberta has one-half of the coal of the Dominion. It produces lignite, semi-bituminous and anthracite coal. Evidences of oil are apparent over the whole of the province and exploration is active. Natural gas is an important resource. Other mineral resources are bitumen, clays, salt, cement, gypsum, talc and placer gold.

**FISH:** The lakes of Central and Northern Alberta abound with whitefish, jackfish and trout.

**TIMBER:** Timber is an important resource in Central and Northern Alberta for local needs and to a slight extent for exportation.

### INSTITUTIONS

**SCHOOLS:** The province gives liberal state aid to all kinds of educational services including public, high, technical and normal schools and a university.

The Department of Agriculture directs a faculty of education and system of special agricultural schools for farm boys and girls besides popular educational services in short course schools, demonstration trains, institutional farms, fairs and institutes.

**HOSPITALS:** The Municipal Department operates a system of hospital inspection and direction by provincial nurses and has undertaken the organization of Municipal Hospitals.

### COMMUNICATION

**RAILWAYS AND TELEPHONES:** Good railway services are provided both east and west and north and south in the province. Trunk lines are being developed as part of the road system. There are 20,158 miles of long distance telephone lines in the province and 44,860 subscribers.

FOR PARTICULARS WRITE TO

**HON. DUNCAN MARSHALL, J. McCAIG,**  
Minister of Agriculture, Publicity Commissioner,  
EDMONTON, ALBERTA.

and Mrs. Freddy says she is going to call.

Mr. Burke has an old Ford car—a 1913 or '14—and while it doesn't look up to much, it always has lots of kick and never stalls, though it sounds like a cross between a sewing machine and a Ford car, and you can always hear it coming a block away. Mr. Burke was passing the other morning as Fred was winding me up, and took pity on his efforts. He came into the garage and gave us a few tips on starting.

"Now don't ever get in a hurry to start a car," says he. "Give her plenty of time and you won't get all winded either." If it is a cool morning like this, open your gasoline valve about a quarter turn more than usually run at. Don't waste your strength cranking a whole revolution. The engine is cold and the lubricating oil is thick and makes the pistons stick pretty tight to the cylinder walls. Just bring your crank down to a little past lower dead center, and pull up briskly a good half turn, keeping the priming wire pulled out so as to draw in lots of gas. Give the engine five or six of these half-turn pull-overs and all your cylinders will have plenty of gas. You can then usually get the engine to start in on or two of these half-turns of the crank. If it doesn't start, turn the crank a little past the top so you can get a stiff arm downward push with the weight of your shoulder behind it, and give the crank a good full turn. In this way you can get a little more speed on the magneto and a better spark," and he suited the action to his words, and I started easily. Fred wiped his forehead.

"Now you try it that way," said Burke, and after a few trials Fred, who was a pretty good tennis player, got the "hang of it" and I said to myself, "Well, the worst of that part is over now." Last night the Professor told Mrs. Professor that there was nothing to it, and is anxious to teach her how to start the motor so she can use the car any time she wants to. I believe that she will learn quickly for there is nothing frail about her.

Note.—The next article will be entitled, "On the Road," etc.

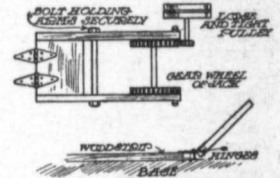
### A SAWING OUTFIT

**B**EING possessed of an engine and pump jack and tired of sawing wood by hand, I decided to put the outfit to use sawing wood.

The base was made by nailing two two-inch planks crosswise on the bottom of an old railroad tie to hold it steady. The jack was then mounted on this base. Next, two short arms were made for pump jack, using one-by-four inch lumber nailed into each end of a

short piece of two-inch plank and held securely by a bolt running through both arms.

Two strap hinges were bolted to the two-inch plank between the arms, the other end of the hinges being bolted to an upright two-by-eight-inch plank, which was fastened at the end by two strap hinges to the base.



In a short time a week's supply of wood can be cut.

At the top of the upright two-by-eight-inch plank and held in place by one hinge a two-by-four was used as a saw handle. This was slotted to take a common one-man crosscut-saw blade—with handle removed—and held in place by bolts going through the two-by-four and saw blade. Extra weight was given by putting a bolt through the handle with heavy iron washers on each side.

The idea was to lengthen the stroke of the pump jack, and by raising or lowering the saw handle where it is hinged to the two-by-eight upright, any desired length of stroke can be obtained. Strips of wood are used under the hinges, where necessary to keep them from being pried off by return stroke.

A guide for the saw rests on top of the log and holds the saw steady until it cuts into the log. The saw and guide are raised and a stick holds them up while the log is rolled up for the next cut. The logs are rolled forward on a pipe roller on a stationary carriage and held in place by a chain. A belt guide is fastened to the end of the base and by shifting the belt on the tight or loose pulleys the saw can be started or stopped at once.

In this way large logs can be cut up without first working them into cordwood and in a short time a week's supply of wood can be cut. E. E. Forbes.

# Fistula and Poll Evil



Any person, however inexperienced, can readily cure either disease with FLEMING'S FISTULA AND POLL EVIL CURE—even bad old cases that skilled doctors have abandoned. Easy and simple; no cutting; just a little attention every fifth day—and your money refunded if it ever fails. Cures most cases within thirty days, leaving the horse sound and smooth. All particulars given in Fleming's Vest Pocket Veterinary Adviser. Write us for a free copy. Sixty-six pages, covering more than a hundred veterinary subjects. Durable bound, indexed and illustrated.

Fleming Bros. Chemists  
24 Church Street, Toronto, Ont.

# Ill-Fitting Doors and Windows

With the coming of cold weather--you should be looking around the house making things snug for the winter.

Doors and windows that are a little shy in fit should be receiving attention. Preparation to keep the cold out and the heat in is of prime importance.

## Anti-Frost Weather Strip

Fitted to doors and windows, acts as the greatest heat conserver on the market, helping to save at least 25% fuel expenses--by keeping the heat where it should be--in the house.

ANTI-FROST WEATHER STRIP comes in handy packages containing 38-foot lengths.

FOR SALE AT ALL GOOD DEALERS OR WRITE

The Burlington Windsor Blanket Co., Ltd.  
TORONTO - ONTARIO



### NUT AND BOLT KINKS

PERHAPS some readers already know of these simple but very useful kinks, but I am convinced that there are many of my neighbors who had not learned of them until I passed the ideas to them. I do not lay claim to originating the ideas, but being a mechanic, they were tricks of the trade that came along in my work. So I have sketched them out here in order that they may be readily understood.

nut, make another yourself as shown in Figure 4. Put the nut in a vise and cut a slot across the center of each flat, using one, two or three blades, as needed, to give the right width for the cotter pin.

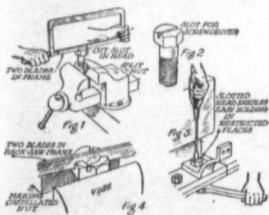
Charles H. Willey.

### ALL RIGHT ON TOP

Uncle William, taking his nephew for a motor-car ride, hearing an explosion in the immediate neighborhood, said, "Get out, Jimmy, and look at the tire, and see if it is flat." "It looks pretty good," said Jimmy after inspection; "it's only flat on the bottom side!"

A young man summoned for examination by a Military Tribunal, claimed exemption on account of his eyes. He had been told of various methods employed by the doctors to detect men who were evading service, and was determined not to be caught by them. "Read the letters on the wall," commanded the Chairman. "Where is the wall?" the young man asked.

Mrs. Much—"What dreadful language your parrot uses!" Mrs. Nothing—"Yes, my husband bought the bird one day and brought it home in his car, and I have always suspected that he had engine trouble during the journey."



Illustrating some Nut and Bolt kinks.

Figures 1 and 2 show how to slot the head of any bolt or cap screw to enable the use of a screw driver to hold it from turning while tightening the nut, as shown in Figure 3. As in this case--the installing of a bracket on the side of the engine--only one wrench could be used, a slotted head on the bolt permitting the use of a screw driver to hold it.

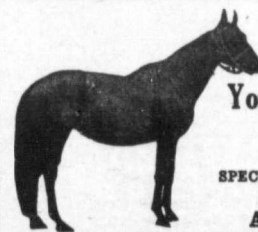
When you lose a castellated

### OXY-ACETYLENE WELDING APPARATUS and SUPPLIES

We can supply a thoroughly practical outfit from \$100.00 up. There should be at least one plant in every district to repair breakages quickly and SAVE TIME and MONEY. Up-to-date farmers with Traction Engines are putting in welding outfits and doing their own and their neighbors' repairs. We give free BROKEN CASTINGS instructions to purchasers. SEND YOUR Broken Castings Scored Cylinders or any kind of Repairs. We Re-bore Cylinders, True Up Crank Shafts, Re-tip Boiler Flues and are in a position to handle any repair job promptly.

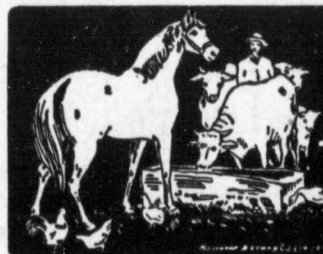
Nothing too large or too small

### GIEGER WELDING WORKS, SASKATOON



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WINNIPEG General Agents

Yorkshire Fire Insurance Co. of England  
LIVE STOCK DEPARTMENT  
SPECIAL FARMERS' ACCIDENT POLICY  
FIRE INSURANCE  
AGENTS WANTED



Dr. Thomas' Eclectic Oil  
Relieves all Pain in Man or Beast  
25 Cent Bottles at all Dealers

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that is worth real  
money, yet we send it  
FREE**

**T**O realize how valuable this book is, you must read it—and use it. You will use it—for you cannot help being impressed with the advice it contains as to fire prevention, disease elimination, the banishing of vermin, and the ensuring of such sanitary conditions as will enable you to make more money out of the business of farming. It contains besides this valuable advice, simple directions for making Concrete improvements—shows by interesting photographs what other farmers have accomplished with Concrete—gives working plans that reveal how they did it. Properly used, this book means hundreds of dollars to you in waste elimination alone. To be without it, is to deprive yourself of one of the biggest and most effective aids to farming-at-a-profit.

Write for your copy—to-day  
Ask for Canada Portland Cement, the uniformly reliable brand. It can be secured from more than 2,000 dealers throughout Canada. If your dealer cannot supply you, write our nearest Sales Office.

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**Motor and Electric Power  
on The Farm**

An Application of North American Practices, by an Impartial Britisher—"Ploughshare" in English "Country Life"

**I** HAVE said before in these columns, and I emphasize the statement now, that almost all important improvements in farm machinery and equipment come to us from America. I may regret this exceedingly, but the fact remains, and is my justification for referring so often to American machines and doings.

Electric power is one of those things which is to be found much more generally in use on farms in America than in the British Isles. I think that the following simply told experiences of an American farmer, Mr. J. H. Lackey, perhaps will bring home to an average British farmer a far better realization of the advantages of electric power than any words of mine could do. To the women-folk of the farm the account will specially appeal. It runs:

"For the past forty-two years I have been raising blooded stock, cattle and hogs, here on my farm, and for some time have specialized in Jersey cows and Poland China hogs. Stock raising of this sort naturally means more work about the barns and stables than is necessary with farming of the average kind, and that used to require more than the average amount of farm help.

"Within the past two years, however, I have solved the help question by putting in a small electric light and power plant and using electricity to reduce the labor about the farm buildings. While it might seem like an extravagant statement to those who have not actually tried it both ways, electricity, the way I am able to use it, is saving me practically the time of two men.

"In the first place, I have the farm buildings all electric lighted, and lights in the yards as well.

That enables myself and the one hired man to work at top speed at times when we need artificial light around the barn. We used to depend on lanterns and that slowed up things, for we had to go carefully on account of danger from fire; then the men had to use one hand to carry the lantern and were about the same as one-armed men, as far as doing the work was concerned.

"About the biggest item of saving comes from the water system, which we are able to have since we put in electricity. This consists of a pump and pressure tank, the pump being operated by a motor run with current from the electric plant. It operates altogether automatically. The water is stored at 50lb. pressure. When a faucet is opened and the pressure goes down, the little motor starts the pump and this forces the water into the tank until the pressure is up again, when the pump stops. This system forces water to the big troughs about the barn and stable yards and to the hog pens. This does away with all pumping and carrying of water and insures all the water needed at any point, just at the turn of a faucet. There have been times here when just watering all the stock was a job of two or three hours for two men. Now that is all done away with.

"I am planning to put in a milking machine, and that will effect another big saving of time and labor, almost equal, I believe, to the saving derived from the water system. The milking machine will be operated with an electric motor run from our electric plant.

"We do our own washing here, and electricity plays a big part with that job, as it does with



A SELF-MADE IMPOSSIBILITY  
Young Sportsman: "Please, sir, would you mind kicking our ball over!"



### Nickel Genuine

This metal is especially designed for gas or steam tractors. It will not only flow freely, but will cast smooth bearings, which will outlast any other alloy on the market. It has been adopted by some of the largest manufacturers of tractors on this continent as a standard.

### Frost King

This Babbitt for ordinary bearings and portions of threshing machines where high speed is required is the best alloy that can be used. It is very carefully compounded and made of the best selected metals and will run cool under almost any conditions.

**HOYT METAL COMPANY, EASTERN AVENUE TORONTO**  
and LEWIS STREET

**SALES: Five Million Dollars Annually. PLANTS: New York, London (Eng.), St. Louis, Toronto**

many others. In the wash-house we have the water piped so that with a hose we can fill the wash-boiler right on the stove, and in the same way put the rinsing water in the tubs. This does away with most all lifting and carrying of water. And that is not the least of it. The washing machine itself is run with a 1/4 h.p. motor. So electricity furnishes the power to wash the clothes and to turn the wringer, and that changes the complexion of wash day around here, you can imagine. Then this same motor runs the churn three or four times a week.

"Of course there is a lot of milk to handle, and this electric motor, which is mounted on a stand and is portable, is used to run the cream separator. It turns it at a regular speed, doing a better job than could be done by hand, and I can take care of the entire job without any assistance. Ordinarily it would take two people.

"The women folks use electric power in the house to run a vacuum sweeper. This saves them considerable time and is a much easier way of sweeping than with the broom, as every woman knows. This motor can be used also for turning the grindstone, fanning mill and other small machines, in every

instance saving somebody's time and saving the labor of turning a crank.

"An important feature of our electrical apparatus, which the women use, is the electric iron. On a hot day it is a hard job to do the family ironing with flat irons heated on top of a stove. On a hot summer's day my daughter irons away in a cool corner of the summer kitchen and is pretty comfortable, for she is not keeping up a fire or carrying flat irons back and forth to the ironing board. She saves an hour or so besides over the time it would take to iron in the old way.

"Of course, we have electric lights in the house, with nice fixtures and convenient switches; in short, our home is lighted just the same as a modern house in town would be, and we get just as much satisfaction from the lights as would any city family. More, maybe, for we have the sharp contrast of only two years ago to remember, when we burned kerosene lamps. Your city family, generally speaking, is farther away from kerosene lamps than that, and electric lights are accepted as a matter of course.

"It will not be many years, in my opinion, until the same condition will prevail in the country. Electric lights will be the general

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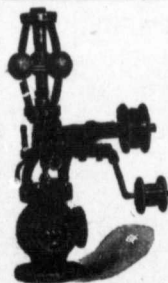
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rule, and any other sort of lighting will be the exception, a thing out of date, something that we have gone on and left in the general march of progress. It is natural that this should come to pass when it is so easy for the farm home to have electricity.

"Why, just take our case, for example. We just put this little electric plant out in a corner of the wash-house and run it about three times a week to charge the storage battery. The engine



At the Ironing Table

burns kerosene for fuel, and, except for a little oil in the crank case occasionally, that kerosene is the only expense we have in exchange for modern electric light, electric heat and electric power to pump all the water for house and stock, to run the washing machine, to sweep the floors, and to do most any other work you can couple electricity on to. That plant has stood out there through two winters without any freezing or any sort of trouble. The engine is air-cooled, so of course it could not freeze, and the battery will not freeze in ordinary winter weather, I find, if you just keep it charged.

"A few years ago my wife and I commenced to think that when we had farmed a little longer we would leave the farm, for we have worked pretty hard, and would spend the rest of our days quietly in town. But with electricity to help out here and to give us all the modern conveniences we would expect or want in town, we cannot think of any good reason why we should leave our old familiar surroundings and our



Washing Without Drudging

old friends, to take a chance on the new surroundings and the new friends that would come with city life. So we have just decided to stay right here on the farm."

#### Advice to a Soldier

"Remember, my son," said his mother as she bade him good-by, "when you get to camp try to be punctual in the mornings, so as not to keep breakfast waiting."

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# Trapping and Hunting

By ROBERT G. HODGSON

(Continued from November)

USE traps such as I have advocated, having the double-face or high grip feature, for all animals that must be taken in the ordinary way. Many animals secure freedom at the cost of a leg; either pulling it off or amputating it, from the ordinary style of these low-jaw traps. The high gripping traps prevent this in the manner I have already stated elsewhere. This not only prevents extra suffering to animals but also prevents the trapper losing the value of the escaped animal.

Whenever possible use such traps as kill the animal instantly; the tree trap, those set at the mouths of burrows known as sure death, stop-thief, killum, etc. These traps catch the animals around the neck and they are almost instantly choked to death.

Visit your tarps every day and as early in the morning as possible. Animals that are found living in traps are then put out of misery without having been long in the traps. This visiting regularly also prevents the animals getting away. When an animal is caught during the night, after the first few frantic efforts to escape it seems to take a philosophical view of the matter and settles down, but as soon as daylight comes they renew their efforts to escape; daylight being a time when most animals are in their homes.

Use any device that will quickly drown or otherwise kill any animal after it has been caught. For this line we have the sliding wire and pole, the spring and balance pole, etc. I have given methods of making and using these so that they can be under-

stood by anyone and be sure and use them whenever possible. As soon as an aquatic animal is caught it dives for deep water to rid itself of the steel trap; if the sliding wire or pole is used it allows it to reach deep water where with the weight of the trap and the fact that the animal is unable to get back it soon drowns. The spring or balance pole serves much the same purpose by hoisting the animal off the ground where it is unable to pull or gnaw at the imprisoned foot and held in this position it soon dies.

These methods may sound cruel but they are much more humane than using the reverse; they are also the only methods that can be used to alleviate cruelty to trapped animals until something more efficient in this line is designed in the way of traps—and that will be a long time.

### Baits and Scents

When scents or liquid baits are referred to in the following methods these scents, which are easily secured, can be used; and they will be found efficacious:

**Musk rat, Beaver, etc.**—30 ounces oil of anise, 1 ounce honey, ½ ounce beaver castor and the musk from three to six spring muskrats.

**Mink, marten, skunk and such land eating animals.**—6 ounces fish oil (made by cutting up fish and placing in a bottle, hang in sun two weeks; then strain off oil). To this oil add 1 ounce beaver castor, musk from six spring rats and 1 ounce oil anise.

**Fox, wolf, etc.**—Equal parts of muskrat flesh and fish placed in sun as directed, oil strained off. To six ounces of this mixture add



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**84 AND 85 OF THIS ISSUE**

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2 ounces oil rhodium and musk  
from half a dozen rats:

### Skunk

The skunk is a very affection-  
ate (?) animal and is thoroughly  
despised by man and beast alike.  
When it comes to securing their  
hide, however, very few give  
them the cold shoulder, so to  
speak. In case you should have  
an argument with a skunk at any  
time and come off second best,  
you can remove the odor by  
washing the clothes in gasoline,  
being very careful, however, not  
to be near a fire while performing  
the operation.

Hang the clothes on a line out  
of doors and as the gasoline  
fumes evaporate it will take with  
it those left by the skunk. The  
hands and other parts of the body  
can be washed with gasoline, tar  
or carbolic soap; the last two are  
not as dangerous as the gasoline.

The skunk is not a cunning  
animal by any means. However,  
it always pays to use care in  
making sets for them and a  
mink may happen along and if  
the set is carelessly made he will  
not be captured.

Trap Sizes.—While skunks  
have been and are being caught  
right along with the No. 1 Victor  
it is far better to use No. 91½ or  
No. 1 Giant Victor. They have a  
habit of amputating their im-  
prisoned feet and if you use one  
of the above traps you will  
eliminate this trouble; these traps  
take such a high, firm grip it is  
impossible for them to pull out or  
amputate their feet.

Baits.—The skunk lives chiefly  
on worms, bugs, grasshoppers,  
etc. He is also very fond of  
poultry, rotten eggs and the flesh  
of his own ken is attractive to  
him when it is tainted.

Methods.—The favorite method  
is to set traps at the mouths of  
their dens. Dig a place just in  
from mouth of den the exact size  
and shape of trap. Set your trap  
in the excavation made, placing a  
piece of batten under pan to pre-  
vent dirt (sand especially)  
getting in and clogging its action.  
Throw a piece of tainted fowl,  
well sprinkled with skunk bait, in  
the hole, beyond the trap.

Stake the chain as far out from  
the bait as possible or you may  
have some trouble getting him  
out so you can kill him. It is a  
good idea to tie the chain to a  
long pole so you can pull skunk  
out and have him at a distance to  
kill. As long as the hind feet are  
off the ground he cannot throw  
his scent, so hold the skunk off  
the ground and have your partner  
go in and finish him with a club;  
hitting him across the small of  
the back or on the point of the  
nose. If you have no partner to  
assist you lean pole up against



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a tree or over a fence and kill him yourself.

Roll two logs running parallel with one another, about a foot apart, place some bait between logs on which has been sprinkled a few drops of skunk bait. Cover logs with bark, brush, etc. and set a trap at each end, stapling chains to end of logs. Other sets can be made in their trails, under old barns, hay stacks, etc.

### Muskrat

The muskrat is not a hard animal to capture, but as many mink are caught in sets made for muskrat it pays to use care in making muskrat sets so that you are ready for Mr. Mink when he comes along. There seems to be two tribes of muskrats, namely, house rats and bank rats. They are one and the same so far as species go but one kind prefer to live in burrows along stream banks, while others build houses of bull rushes, etc. They do not travel near as much as mink and when they do it is at night, they being seen but seldom during the day time. Being strictly water animals they are always found in marshes and around lakes, rivers and ponds.

Baits.—Through quite a few years experience in muskrat trapping I have always found they do not take readily to natural baits and that these baits are more bother than they are worth, as they attract squirrels, etc. However, what does attract them is muskrat bait, especially during the spring months. For those, however, who would like to try natural baits I would recommend the following: Mellow apples, carrots, turnips, mangels, corn, pumpkins and various roots and grasses.

Trap Sizes.—The No. 1 Victor is the size most generally used for muskrats but I would recommend the 91 or No. 1 Giant Victor in preference to one other. The muskrat, though not hard to catch, is hard to hold and the amateur will soon realize this as his chief difficulty. These traps, on account of their wide jaws prevent the animal gnawing, twisting or pulling out, and where the animals are unable to get into water to be drowned, these traps should always be used, having no equal in manner stated.

Methods of Capture—A favorite blind set is to find their paths leading from one stream to another or to their feeding grounds and set a trap, without using any bait or decoy, just where they come out of or enter the water. In streams you will often find where the stream makes a sharp bend, a small washed-in inlet into the bank. This makes an excellent set for muskrat, by setting a

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- 4 The "Riverside"—universally conceded to be the highest grade moderately priced watch in the world. This model is most frequently preferred by business men who desire an absolutely dependable timepiece at a moderate price. Price \$42.00 and up in gold filled. Solid 14k gold, \$100.00 and up.

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There is no entry fee. Literary style, spelling, etc., are not essential. The main thing is the story—the story of your success told in such a way that it will be a help to others who may contemplate settling in Canada.

**Competition closes February 14, 1920**

For full information see notice in your Post Office, or write **ROBERT J. C. STEAD, Director of Publicity, Department of Immigration and Colonization, Ottawa.**

trap at entrance to inlet and putting some Rogers' muskrat bait directly over the trap.

Find a steep bank, along which muskrats travel and where the water near the bank is not over four inches deep. Run a stick in bank with one end projecting out over the water. Wind some grass or place some moss on end of stick and on grass or moss sprinkle a few drops of muskrat bait. Set trap directly under the bait.

Where muskrats are plentiful you can find their slides along the stream banks. Set your trap at the foot of the slide and stake your chain as far out in the water as possible. Put a few drops of muskrat bait on slide.

In the winter cut a hole in the ice along a stream bank. Set your trap in shallow water and directly over trap, on the end of a stick station a few drops of muskrat bait. (To be Continued)

### PLOWING UNDER CORNSTALKS

THE day has passed when the farmer who burns his cornstalks can be considered an intelligent workman.

The conventional reason given for burning stalks is that otherwise they will make trouble in cultivating and tear out a lot of corn. The truth is that if a field is properly prepared, the stalks will not be on the surface but underground and well decayed by the time the cultivator comes along. And a very important point to consider is that this preparation will take less time than where stalks are harrowed down and raked for burning.

Of course if time and weather permit, a stalk field should be double-disked before plowing as well as after. But if this is impossible, very good results can be secured by plowing right into the standing stalks with a gang

plow equipped with weed hooks. The straighter the stalks stand the better they will go down into the furrow. One thing must be kept in mind, however: The plows must be at least six inches deep to do effective work. Four-inch plowing is a waste of time, as it does not half cover the trash and just turns the corn roots on edge. The first rain leaves them on the surface, and no amount of disking will put them underground.

Where there is a heavy stand of stalks solid colters, even if sharp, will clog and fail to cut through; also a good many stalks will flop about, miss the weed hooks and be left sticking out of the ground. If the colters are set to run three or four inches deep, they will cut practically all the stalks that lie across their path. For these colters it is well to get an extra set, as the solid disks are better for plowing in sod or small-grain stubble. The cut-outs should be an inch and a quarter deep and carefully spaced with dividers. Cut them out with a cold chisel and grind the edges sharp on an emery wheel.

To make the trash fenders, take two pieces of galvanized sheet iron about twenty-two by sixteen inches. Bend them to the curve of the weed hooks and fasten them to the hooks by folding the long edge over and riveting it down. To secure the rear fender in place, bolt the hook on and wire the corners of the front edge to the beams of the plow. The front fender is stiffened and supported by a piece of one-quarter-by-seven-eighth-inch iron, riveted to the former edge, which extends across both plow beams and is clamped to them with U-bolts. If care is used in adjusting these fenders, they will turn all loose trash to the bottom of the furrow.

L. M. Thompson.



Mother (to son who has fought on most of the Fronts): "Don't know what to do with yourself, George? Why don't you have a walk down the road, dear?"  
Father: "Ah, 'e ain't seen the corner where they pulled down Simmonds' shoe-shine parlor, 'as 'e ma'?"

# Agricultural Success in MANITOBA

In this Province Agriculture is on a Safe, Progressive Basis  
and the Process of Evolution is toward Permanency

It is one thing for a province to attract newcomers; it is quite another thing for that province continuously to develop its Agriculture towards permanency. Manitoba to-day is doing both. Here are some of the directions in which progress has been made during the past few years.

## Legislation

During the past four years an unusual amount of progressive legislation beneficial to agriculture has been passed, and a number of the enactments inaugurated in Manitoba are being adopted by Legislatures elsewhere. Here is a brief review:

**Settlers' Animal Purchase Act, 1916.**—This Act imposes no financial burden whatever on the Province, but enables groups of farmers to obtain credit for the purchase of cattle.

**Sheep Protection Act, 1917.**—This Act protects the sheep owner against loss from worrying by dogs.

**Agricultural Societies' Act, 1917.**—The present Agricultural Societies' Act of Manitoba is one of the most comprehensive and generous Agricultural Societies' Act extant. It is designed to prevent overcrowding of Societies and to greatly widen the scope of their work.

**Horse Breeders' Act, 1916.**—This Act outlaws the grade and scrub stallion, in so far as standing for public service is concerned, and requires that stallions be inspected and enrolled.

**Home Economics Societies' Act, 1916.**—This Act has put these useful women's organizations on a well regulated basis. Much of the useful War Work done by the rural women was achieved by members of the Home Economics Societies.

**Farm Implement Act, 1919.**—This Act regulates the sale of implements and protects those who purchase, as well as those who sell implements against fraud and extortion.

**Produce Dealers' Act, 1919.**—This Act requires those dealing in agricultural products to be licensed and bonded, and protects the farmer in the country who may consign shipments of butter, eggs, poultry, potatoes, etc., to city dealers.

**Live Stock Purchase and Sale Act, 1919.**—This Act extends financial credit to farmers in all parts of the province in connection with the stocking up of their farms.

Other important agricultural acts passed or amended are as follows:

- Animals Act
- Brand Act
- Crop Payments Act
- Co-operative Associations Act
- Noxious Weeds Act
- Wolf Bounty Act
- Threshers' Lien Act
- Hall Insurance Policy Act
- Seed Grain Act
- Game Protection Act
- Insectivorous Birds Act
- Poultry Breeders' Act

## Administration

Manitoba's administration of public affairs is such as tends to uphold the basic industry of farming. Here are a few achievements in administration of recent years.

**Rural Short Courses.**—Beginning in the winter of 1915-1916, the plan was adopted by the Department of conducting short courses in rural districts. This form of service has been very much in demand—so that during the fiscal year reported upon in the last annual report of the Department the following figures are given:

Extension Schools—	
Ten Day Courses .....	20
Total enrolment .....	1,600
Attendance .....	34,000
Four Day Courses .....	22
Total enrolment .....	1,415
Attendance .....	7,126
Home Economics Four Day Courses .....	250
Total enrolment .....	6,150
Attendance .....	35,110

**Co-operative Wool Marketing.**—The system of co-operative wool marketing has been most successful, until now a very large percentage of all wool grown in Manitoba is assembled by the Department of Agriculture. The wool is graded, and all lots sold on their merits. The educative work carried on by the Department has done a great deal to secure higher prices by pointing out the right and wrong ways of handling wool.

**Agricultural Publications.**—There is an ever widening demand for reliable literature dealing with those problems peculiar to our climate and type of agriculture. To meet this demand, a great diversity of agricultural publications have been printed, so that now complete and up-to-date information can be supplied at once to enquirers. Particularly has this service been of value since the close of the war, because of so many returned soldiers going onto the land, and requiring instruction.

**Live Stock for Farmers.**—Up to the present 4,591 cows have been supplied to 1,402 farmers under the Manitoba "Cow Scheme." These cows have produced approximately 11,000 calves during the past three summers. In addition, the newly passed "Live Stock Purchase and Sale Act" has inaugurated a movement of live stock from the stock yards back to the farm which is bound to develop very rapidly.

**Agricultural Statistics.**—The methods of gathering and publishing statistics have been greatly standardized.

**Stallion Inspection and Enrolment.**—The horse breeding industry has been protected against the owner of the unsound or unregistered stallion.

**Boys' and Girls' Clubs.**—The boys and girls of to-day are the men and women of to-morrow. In Boys' and Girls' Club work Manitoba leads with 25,000 enrolled members each receiving encouragement and direction from the Department.

## Practical Achievement

The men and women of Manitoba's farms may well be proud of their achievement during the recent strenuous years. It is doubtful if so few people, in any other part of the world have ever been able to supply the world with so much food at a time when it needed it so greatly.

**Winings at Exhibitions.**—Not only has the quantity of agricultural produce been satisfactory, but, Manitoba has established an enviable reputation for quality. At the International Soil Products Exposition, Manitoba Provincial Exhibits won a premier place during the two seasons past, winning 15 trophies, 65 first prizes, 44 second prizes, 40 third prizes. The trophies won in 1919 include the world's championship for collection of vegetables, the world's championship for small grains (wheat, oats, barley and rye), the world's championship for the most attractive exhibit, and second trophy for the most comprehensive exhibit. In addition to this various individual farmers of Manitoba won leading prizes. Manitoba butter, too, has gone both east and west and won premier honors, securing the highest score both in 1918 and 1919 at the Canadian National Exhibition, Toronto.

**Live Stock Breeding.**—Recent years have witnessed a definite demand for a higher standard of live stock. This has shown itself in several ways. The membership of the live stock associations has increased; the number of pure bred live stock sales has been multiplied; the numbers of boys who have shown those remarkable calves of their own raising, at the Winter Fat Stock Show, has been enlarged; the prices for pure bred live stock have advanced from year to year, and pure bred stock is becoming much more widely distributed. In November, 1919, a Manitoba raised Shorthorn heifer, Lavender 47th, bred by J. G. Barron, Carberry, sold at public auction for \$5,000, the highest priced Shorthorn female ever sold in Canada.

**Dairy Industry.**—Manitoba's dairy industry has expanded wonderfully. Five years ago this province was a heavy butter importer; now we export about two million dollars' worth of butter per year. Both cream and butter are now sold on grade, according to merit, and year by year the standard of Manitoba butter is advancing on the markets of the world.

**Potato Growing.**—Manitoba potato growers are just now awakening to the possibilities of a very remunerative potato export trade. Each year we sell many carloads.

**Vegetables.**—During the past two years Manitoba has won first prize at Kansas City as exhibiting the best vegetables shown by any state or province. The quantity being raised has also increased greatly.

**Tillage Methods.**—Better tillage methods are in vogue as is expressed by the number of plowing matches and summerfallow competitions held.

**Agricultural Education.**—There is a keen demand for agricultural instruction, as is shown by the crowded condition of Manitoba's commodious Agricultural College.

*You need not be ashamed to invite your best friend to Manitoba*

**V. WINKLER, Minister of Agriculture and Immigration**



# Genuine

# YMCA

*-Your Boy Has A Dependable Friend In The Cities!*

--A friend he can come to for help--A friend who will take an interest in him simply because he is a "boy." The Y.M.C.A. holds out a hand in genuine friendship to boys from the country; it offers them a home among other good Christian boys--it gives them opportunities to retain their good health, develop good habits, and form friendships that will be a valuable asset in their business life.

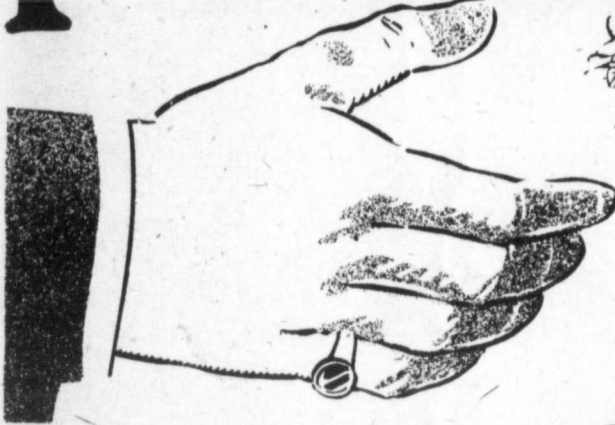
## The Y.M.C.A. Has a Record To Be Proud Of

Many of Canada's leading business men are old "Y" boys. They came when boys under the protection and instruction of the Y.M.C.A. and they will tell you frankly that much of their success is due to the influence of Y.M.C.A. surroundings.

What the Y.M.C.A. has done for other boys it will do for your boy--our instructors are the best obtainable.

FORT WILLIAM | PORT ARTHUR

# Friendship



**MEMBERSHIP CARD**

Mr. ....  
of .....  
[is a contributing member of the  
**Young Men's Christian Association**  
and is entitled to full membership privileges at

CALGARY	MOOSE JAW	BRANDON
EDMONTON	REGINA	WINNIPEG
LETHBRIDGE	SASKATOON	

[during the year 1920.  
No. .... For the Association.....

Thousands of farmers and farmers' sons enjoyed full Y.M.C.A. privileges while they were training before going overseas to the war--and were given six months free membership on their return.

During the war the army uniform was accorded every privilege of full membership, including use of baths, gymnasium, reading and recreation rooms, games, and all social affairs. In addition, letter paper was supplied free--thousands of Canadian homes have received their introduction to

the Y.M.C.A. through the letter paper used by the soldiers when writing home. While the Y.M.C.A. is generally looked upon as a city institution it is in reality a national, or country, institution, because it helps every boy who is away from home--the Y.M.C.A. knows no class--all are welcome. Farmers' sons attending

college or visiting the city find most comfortable quarters with the Y.M.C.A.; travellers enjoy the social surroundings that they can get only at the Y.M.C.A. In a hundred and one ways the "Y" renders valuable service through their institutions which cost hundreds of dollars a year to maintain --and it is because of this extra expense that the

## Y.M.C.A. Needs Money Now

The people of Western Canada are noted for their hospitality, and they know how to appreciate hospitality. This is proven by the many letters of appreciation we receive from persons who have made our institution their headquarters during a visit to the city--but now we want more than letters of appreciation--we want money to keep our institution going, and we believe that the country people who know the "Y" will want to pay their share. You can now do this by purchasing a "contributing membership," which will entitle a member of your family to full Y.M.C.A. privileges in any city in Western Canada where

there is a "Y" building. When any male member of the family leaves home for a visit, or protracted stay in the city, he will bring his membership card with him to show that he is from a family who appreciates the great benefits men and boys receive from the Y.M.C.A. Buy a card for each male member of your family; every country home should have at least one membership.

Address all correspondence and make cheques payable to **SECRETARY, Y.M.C.A., Dept. 14, WINNIPEG**

Mail This Coupon To-day

C. T.  
**SECRETARY, Y.M.C.A. WINNIPEG**

Dear Sir:--There are ..... boys in my family. I attach herewith \$ ..... for which please send me ..... contribution Membership Cards to the Y.M.C.A

Help the "Y"--Send \$10. for a Family Membership Card

Name .....  
Address .....

**DON'T FORGET LAST WINTER**  
**MAKE SURE OF YOUR FEED SUPPLY**

**Hogs Gain Weight Quickly**    **Cows Yield More Milk**    **Horses Gain Flesh and Health**

**CANE MOLA**

Not a prepared stock feed, but a selected, pure sugar-cane molasses. Very reasonable cost. Superior to corn. Endorsed by Government Experiment Stations. Successful dairymen and farmers are continually re-ordering in ever-increasing quantities. They realize how good and economical Cane Mola is.

Use Cane Mola with old hay, straw, shredded corn stover, fodder, ensilage, screenings, etc. Also with grains in the feed box. Dry untempting feeds become palatable and digestible, because of the sugar and natural salts. Your animals will be in prime condition always. Roughage is eaten up to the last atom. No waste. Cane Mola is the best conditioner you could possibly have. Use it for cows, hogs, horses, sheep, etc.

**Feeding Costs Reduced to a Minimum**

You save the cost of expensive prepared feeds, thus practicing real conservation. You will experience a rapid, healthier growth of stock. Cows yield 15% to 25% more milk.

Tested and passed by Chief Chemist, Central Experimental Farm, Ottawa. Write for Free Sample and booklet on economical feeding to—

**CANE MOLA CO. OF CANADA, LIMITED**  
 118 St. Paul Street West    Montreal

**LOCAL DISTRIBUTORS:**  
 Calgary, Alta. J. W. CAHILL, Alberta Stock Yards  
 Edmonton, Alta. NORTHERN SEED CO.  
 Saskatoon, Sask. J. H. SPEERS & CO.  
 Salford, Sask. A. E. OODE  
 Brandon, Man. C. S. UNICOMB  
 Regina, Sask. REGINA FLOUR & FEED CO.

All Molasses are not alike. Be sure to get **CANE MOLA**

**No More Dread**  
**OF THE DENTIST CHAIR**

Every modern scientific equipment is in this modern establishment in the hands of skilled dentists—to make the work painless.

Our work is incomparable in finish and appearance. Have you been dreading to have your dental work done? No need of it; we have scores of satisfied patients who will tell you we

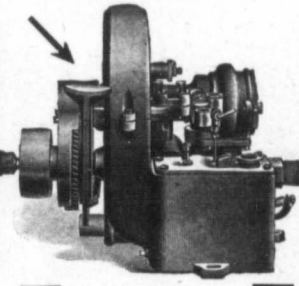
**"DIDN'T HURT A BIT"**  
 Are you dissatisfied with the fit of your artificial teeth? If so, try our Patent Double Section Whitebone Vulcanite Plates, set \$10.00

Expression Plates, from 15.00  
 Gold Crowns, 22-kt. gold, 7.00  
 Gold Bridge Work, per Tooth, 7.00  
 Porcelain Crowns, 7.00  
 Porcelain Bridge Work, per Tooth, 7.00

Painless extracting of teeth. Gold Fillings. Porcelain Fillings. Silver and Alloy Fillings.

Every bit of dental work carries the Robinson amp. When you get tired experimenting with unskilled dentists, give me a trial. Hundreds upon hundreds of testimonials from patients. I have no other office in Western Canada. Do not be deceived by unscrupulous dentists who try to make you believe they have my system.

Remember the location.  
**DR. ROBINSON**  
 Dentist and Associate  
 Birks Bldg., Smith and Portage  
**WINNIPEG, CANADA**



**Hafa-Hors**  
**the Big Little Engine**

You start it by stepping on a pedal, like an auto. Really a woman's engine, it's so handy for her jobs, washing, churning, separating, and so on. But it's mighty handy for the men for their farm yard and barn and machine-shop jobs. Get the folder and full particulars.

**Emerson Manufacturing Company, Limited**  
**WINNIPEG, MANITOBA**

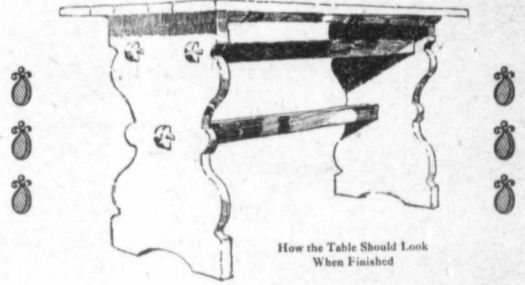
**NOTE**  
 Read pages 84 and 85

**Homemade Furniture**  
 An Oak Table of Good Lines and Proportion

By WILLIAM L. SIMONS

THE central feature of a living room is usually a table. The one shown here is good and firm. There is nothing to strike your feet against, for the stretchers are raised well up from the floor. The three cleats bind the top boards together firmly. The ends are thick and solid, of coarseness. Experience will soon teach where these degrees of coarseness are to be used. It is obvious that to get a smooth surface you use the coarsest first and gradually work down to the finest.

Go over the table with strong ammonia. Dissolve water-color

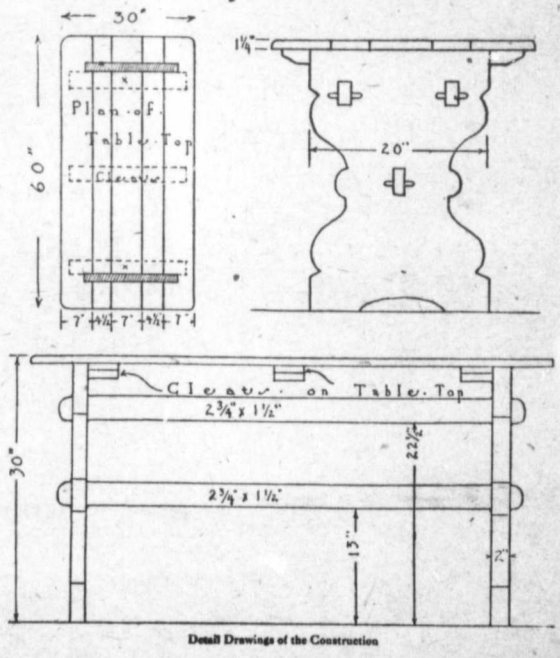


giving weight without appearing heavy.

This table needs a great deal of wear to make it attractive. You can hasten this effect of long wear by going over the table with a rasp before finishing the wood, taking off the corners quite considerably at the places likely to be worn by time. Then sandpaper with coarse paper, not sparing the elbow grease. Finally, make the entire surface as smooth as possible with very fine sandpaper. This will leave it in excellent condition for the finishing. Sandpaper comes in different grades

stain in hot water, trying a little on a small scrap of oak until you get it just the right shade. Put it on with an old brush or soft piece of cloth. It will not take long to dry. Then sandpaper lightly with a fine-grained paper. Rub the places you want to look worn a little more than the rest. Boil floor wax in a little turpentine and rub it over the surface.

All the material used in this table ought not to cost more than five dollars. A list of necessary materials is as follows:  
 Table top of close-grained oak. 3 boards, 1 1/4 in. x 7 in. x 60 in.



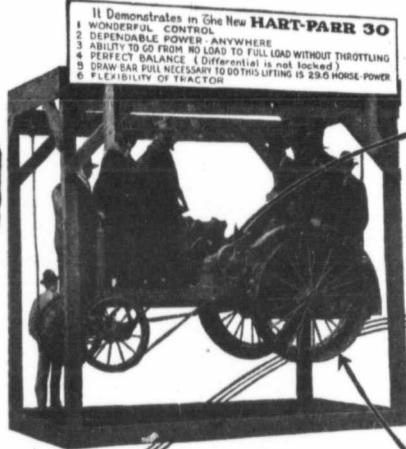


# Can you lift yourself by your boot-straps?

## The New Hart-Parr Can.



- It Demonstrates in the New HART-PARR 30
1. WONDERFUL CONTROL
  2. DEPENDABLE POWER ANYWHERE
  3. ABILITY TO GO FROM NO LOAD TO FULL LOAD WITHOUT THROTTLING
  4. PERFECT BALANCE (Differential is not locked)
  5. DRAW BAR PULL NECESSARY TO DO THIS LIFTING IS 29.6 HORSE-POWER
  6. FLEXIBILITY OF TRACTOR



**What the Tractors Really Pull**  
The Belt Horse Power Tests of 1918-1919

NAME	Rating	Fuel	Columbus, O., 1918	St. Louis, Mo., 1918	Columbus, O., 1919	St. Louis, Mo., 1919
Hart-Parr 30	30 Ker.		21.1	21.1	37.5	37.5
Hart-Parr 20	20 Ker.		14.28	14.28	25.0	25.0
I. H. C.	15-30 Ker.		25.0	25.0		
Hoover	15-30 Ker.					
Autman-Taylor	15-30 Ker.					
Waltham	15-30 Ker.		25.0	25.0		
Cas	15-27 Ker.					
Moline	9-18 Cas		26.8	21.2	26.7	26.7
Homely	12-24 Ker.				23.8	25.5
Frisk	12-24 Ker.					24.9
Hessman	12-24 Ker.				23.5	24.1
Titan	10-20 Ker.					21.2
Waterloo Boy	12-24 Ker.		24.0			24.7
Emerson	12-24 Ker.		20.0		19.8	21.4
Steel Mule	12-24 Ker.				21.4	21.4
Nelson	10-20 Ker.		21.4		20.8	
Parrett	12-24 Ker.				19.8	20.3
Hulzer	12-24 Ker.		24.0		19.8	20.3
Lewis	12-24 Ker.		22.8		18.9	21.4
Yordson	11-22 Ker.					19.7
Mogul	10-20 Ker.		20.0		19.7	
Sandusky	10-20 Ker.		19.5		19.3	19.2
Leath	12-24 Ker.		18.0		19.3	19.2
Cleveland	12-24 Ker.		18.7		19.2	
Cas	10-18 Ker.		18.0		18.1	18.8
Starby	9-18 Ker.					18.6
Hull	12-24 Ker.		15.6		14.2	16.3
Avery	12-24 Ker.					19.9
Happy Farmer	12-24 Ker.		17.6		17.2	19.9
Whitney	9-18 Cas		17.5		16.6	
Hecker	8-16 Ker.		16.0			
Avery	8-16 Ker.		16.0			
Curt Hixon	12-24 Ker.					14.4

## Proves 29.6 horsepower at rim of rear wheels

ONE HORSEPOWER IS 33,000 POUNDS RAISED ONE FOOT IN ONE MINUTE. THE NEW HART-PARR 30 IN THE PICTURE WEIGHS 5,185 POUNDS, THE 12 MEN WEIGH 2,215 POUNDS, MAKING A TOTAL WEIGHT OF 7,400 POUNDS

In this demonstration the tractor is running in reverse gear at 1/2 miles per hour which is 132 feet per minute.

7,400 pounds multiplied by 132 feet per minute, and divided by 33,000 foot pounds equals 29.6 horse-power.

This unique demonstration designed by Hart-Parr Company and called the "Bootstrap test" is proof of the actual power delivered at the rims of the rear wheels. The cables pass around the rims of the rear wheels and around the front wheels and the tractor raises itself and the twelve men by its own power.

The clutch and brake action of the New Hart-Parr 30 are so perfect that the tractor moves up and down gently and steadily, stopping at any desired point. The Tractor has such perfect balance that it is not necessary to lock the differential in making this test. The Dray Kerosene Shunt, an exclusive Hart-Parr invention, enables the engine to pass from no load to full load as the tractor goes up and from full load to no load as it comes down, without throttling and without misfiring.

### SPECIFICATIONS:

- POWER—Pulls three plows—30 H.P. on belt.
- MOTOR—3-cylinder twin, 4 cycle. Valve-in-head. 750 R.P.M.
- TRACTOR FRAME—Cast Steel, one piece. No bend, no twist.
- BEARINGS—S.K.F. and Hyatt.
- CARBURETOR—New Dray Kerosene shunt.
- SPEEDS—Two forward; one reverse.
- TRANSMISSION—Selective sliding gear.
- COOLING DEVICE—Honeycomb radiator—shaft-driven pump and fan.
- LUBRICATION—Fresh oil, force feed.

We are Distributors for Superior Drills. A Full Line of Repairs Carried in Stock

## Hart-Parr of Canada Limited

WINNIPEG

Office, Warehouse and Show Room: 47 Higgins Ave., West

TELEPHONES

Office and Repair Dept. Main 2306 Repairs Dept. Night Phone: Sher. 3715

## Killed in Action

Owing to our most active buyer and shipper having been killed in action, and the fact that prices of all British made goods have risen tremendously, we have very reluctantly decided to **CLOSE DOWN** until prices get more reasonable.

Everything in stock to be **REALIZED** at once, so read **"THIS LIST"** very, very carefully.

**Lot 101**—Comprises some 274 pairs Women's or Boy's splendid Grained Leather 2-Buckle "Lumbersole" Boots, Felt Lined Inside. Sizes 3, 4, 5, 6, 7. Now for cold weather, they are the warmest rig you can possibly wear around the barn or stable. **Wood Soles.** Yes, just you try them. Our whole stock to be sold off **\$3.25** say. (Every pair easily worth double to-day)



**Lot 102**—Consists of some 450 pairs Women's or Youths' Grained Leather 10-inch "Pull on" Lumbersole Boots. All costly lined with thick felt. Your feet never cold. Sizes 3, 4, 5, 6, 7, 8. Now, if you want a pair to warm your feet, or save your fine boots, send on **\$5.50**

(Thousands of testimonials have reached us. Ideal for driving or around the stable.)

### FOR THE CHILDREN

**Lot 105**—Consists of about 970 pairs Children's Grained Leather, "Laced Up Style," Lumbersole Boots mostly 10, 11, 12, 13, 1 sizes; all lined with Fine White Felt. See the price **\$2.85**. Yes, get them a pair, sure!

**Lot 106**—Around 132 pair of Children's Lumbersole Boots, similar to Lot 101 in style. Size 7, 8, 9, 10, 11, 12, 13, 1 only. Children's sizes—Fit 2 years to 14 years or so. **Coolly Felt Lined** throughout. Will take **\$2.75**. Write to-night for a pair.

**Lot 108**—Comprises 127 pairs Men's Stout Grained Leather unlined Lumbersole Boots, Bitted with rails round soles and heels. Nothing warmer or costlier in Canada. Slip two or three pairs socks on and your feet are like toast at forty degrees below. Going at **\$3.75** (Mostly all sizes)

**Lot 175**—Something for the women—About 300 Best quality all-wool Women's Full Length Combinations, full sleeves and legs. These combinations are worth **MORE THAN DOUBLE** to-day. In fact, once our stock is cleared, you cannot replace under \$8.00. This is pre-war stock. Our price **\$3.75**

**Lot 210**—About 340 pairs Ladies' Choice Pink, also some Pale Blue, Quilted Satin Bedroom Slippers. Very nice to present. Sizes 3, 4, 5, 6, 7. All going **\$1.50** out at (also a few Black)...

**Lot 230**—Around 150 pairs Ladies' Black Vici Kid Blucher Boots, sewed soles; 1 1/2 inch Cuban heels. Sizes 2, 3, 4, 5, 6, 7. Now this lot cannot be re-made to-day under \$12.50. Why not pick up some at **\$5.50**

**Lot 233**—Some 89 pairs Misses Black Poplin 1-Bar Slippers (1-inch heels), for growing girls. Sewed Leather Soles. Sizes 2, 3, 4, 5. All going at **\$2.75**

**Lot 234**—About 142 pairs Boys' or Girls' Cozy Felt House Slippers (British made). Sizes 7, 8, 9, 10. All to be sold at **65c**. Larger sizes, 11, 12, 13, 1. Will be cleared at **75c**

Get your order in quick as possible. Send for Bargain List. **EVERYTHING** to be **CLEARED** as quick as possible.

Cut this out, as it won't appear again. **DON'T FORGET YOUR CASH OR YOUR SIZE.**

**The Scottish Wholesale Specialty Co.**

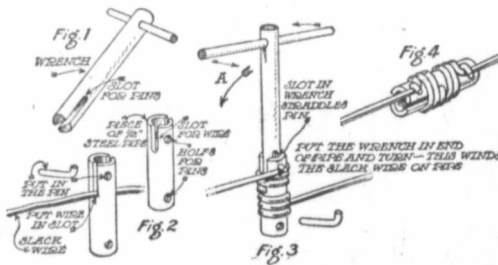
263 Talbot Ave. (Elmwood) Winnipeg

2 boards, 1 1/4 in. x 4 1/2 in. x 60  
3 cleats, 1 1/4 in. x 4 1/2 in. x 27  
3 stretchers, 2 3/4 in. x 1 1/2 in. x 54 in.

6 pegs made from waste bits of oak.  
2 end supports, 2 in. x 20 in. x 28 1/2 in.

The ends may be shaped out of the solid wood or built up of two or more pieces glued together. To get the outline correct, draw it with a pencil on a strip of cardboard twenty-eight and a half inches long and about six inches wide, cutting it out with a pen-knife. Then place the cardboard on the wood and mark it off; turn the cardboard over and do the same for the other side. This will make both sides alike. Ascertain, by measuring, the exact place where the stretchers come, then bore holes and cut away the wood with a chisel until you get the right-sized holes to receive these stretchers.

The finishing of the furniture is the real test of your skill. It is this finished product that is going to be constantly before you and the family. In merchants' stores it is this quality of well finished or poorly finished furniture that gives the particular establishment its standing as a first-class or a second-class store. The designs used may be the same in both instances; the difference lies in the artistic finishing.



## TIGHTENING SLACK WIRE

There is a very simple device that will take up the slack of fence wire, guy wire, and the like. Wire is used so extensively on the farm that this little tool will be found very useful. Perhaps at first glance at the accompanying sketches it may appear that the device is hard to understand. But just consider that it consists of a short piece of common pipe with a slot and two holes in it, a couple of small round iron pins made of wire, and a wrench made from a piece of round stick that will fit the inside of the pipe, one end of this being slotted by a hack saw and the other end having a rod put in it for a tee handle, as in Fig. 1. In Fig. 2, the slack wire is slipped into the slot in the piece of pipe then the pin is put in the hole, and next the slotted wrench is put inside the pipe so that the slot straddles the pin. Then, as in Figure 3, the whole thing is turned until the slack of the wire is wound on to the pipe. Then put in the bottom pin, and next bend the ends of these pins over the wire. Then, as indicated at A, Figure 3, turn the wrench downward so that the piece of pipe will lie parallel to the wire. The completed job will appear as in Figure 4.

The pieces of pipe have to be left in the wire.—C. H. W.

## The Success College at Regina

Wishes you every good wish of the season

A. Roy Mackenzie Principal

**BOB LONG**  
BOYS' PURE WOOL WORSTED JERSEYS  
FOR HARD WEAR, COMFORT AND SMART APPEARANCE  
R. G. LONG & CO. LIMITED  
TORONTO CANADA  
Look for the Label

## THERE IS MUCH IN A NAME

Readers of agricultural journals find the historic appellation of J. I. Case perhaps more frequently and prominently displayed than many other well-known farm machinery houses. But there are two distinct firms using this title, and we are asked by our old friends the J. I. CASE THRESHING MACHINE COMPANY to state that they are connected with no other house whatever bearing the name of Case.



Look for the EAGLE trade-mark

To avoid confusion, the J. I. CASE THRESHING MACHINE COMPANY of Racine, Wisconsin, desires to have it known by all concerned that it is not now, and never has been, interested in or in any way connected or affiliated with the J. I. Case Plow Works or the Wallis Tractor Company, of Racine, Wisconsin, or the J. I. Case Plow Works Company recently incorporated in Delaware.

You and Your **Hired Man**

need the protection given by "King of the Road" Overalls—  
Made from the highest grade materials—double stitched—strain points reinforced—best workmanship throughout.  
Made by  
R. J. WHITLA & CO., Ltd.  
Winnipeg.  
**'KING OF THE ROAD' OVERALLS**

## Barn Ventilation

By a Practical "Ventilator"

**T**HE modern farmer should not need to be convinced of the necessity for barn ventilation. He is awakening to the fact that pure air is as necessary to the well being of his stock as it is to his family. For years, our agricultural college experts have been making tests which have positively proven:

1. That impure air results in unhealthy stock. Oxygen is the element in the air that is used by the lungs in making pure, rich blood. The breathed out air contains little or no oxygen. Naturally, if the oxygen is not renewed from outdoors, the animals will be breathing in air which contains only a small percentage of the element which they require to keep alive. Carried to its logical conclusion, air which has been breathed over and over again would soon lose its power to keep animals alive.

One cow infected with tuberculosis will spread the germs of this dread disease throughout a whole herd, when penned together in a poorly ventilated stable. Each year, thousands and thousands of dollars' worth of cattle are killed by government officials owing to communicable diseases which could have been prevented by the proper ventilation of their sleeping quarters.

2. That pure air, although necessary to all kinds of stock, is indispensable to mares in foal and cows in calf. On the health of the prospective mother depends the health of the unborn colt or calf. Veterinarians all agree that premature birth in mares and cows is often caused by the shutting up of these animals in close, stuffy unventilated box stalls. In view of the high prices paid for young stock at the recent Brandon stock sale, the money paid for a proper system of barn ventilation should be looked upon as an investment and not as an unnecessary expense. One valuable colt, saved at birth, might often pay for the entire cost of a ventilating system.

3. That impure air causes deterioration of barns and equipment through the moisture and frost that coats the walls of a poorly ventilated barn.

On the other hand, pure air is the best food that you can give your stock. The quantity of air consumed by a full grown animal daily is almost unbelievable. 3,400 cubic feet will furnish fuel for a horse for 24 hours; a cow breathes in 2,800 cubic feet of air in the same period, while even a pig uses up 1,100 cubic feet of air every day. The oxygen from these thousands of cubic feet of air is chemically changed into the rich blood that makes possible the strong, healthy cattle which are the envy of every horse or cattle breeder.

Breeders of pure bred stock cannot afford to take chances on feeding impure food to their valuable young stock. Pure food has always been considered a necessity, but only in recent years has pure air received the attention it has deserved.

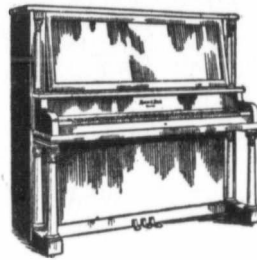
Ventilation is of two kinds, forced and natural. Forced ventilation is used in churches, theatres and auditoriums, the pure air being forced into the building by fans, or other mechanical devices. This system is too expensive for barns and more-over is not necessary as the animal heat in a barn causes a natural current of air. All that is necessary is to provide exits for the foul air and intakes for the fresh air at the proper places and of the proper dimensions.

The barn ventilating systems now on the market, which are recommended by agricultural college experts, consist of three parts or units: (1) The cupola or ventilator on the roof, (2) the foul air outlets and (3) the fresh air intakes. Although these three units are constant in every building, the system will vary with the size and general construction of the barn, the number of cattle or horses, and the size and position of the doors and windows.

In our western country, the winters are too severe for horses and cattle to take advantage of Nature's own ventilating system, the great outdoors, but as fresh air is necessary, consequently a system of barn ventilation is imperative to the farmer who wants to get away from the cold, damp, unsanitary stable of the past, with its scrawny, starved-looking stock, and secure in its place a well ventilated barn containing healthy, well nourished cattle, living in conditions of which you are not ashamed.



"Don't you think he resembles me, George?"  
"Yes—he has the same kind of hair."



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**PIANOS**

All Styles  
All Woods  
All Finishes

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A Body for every make and type of Motor Car and Tractor

### Extra Heavy, Heavy, Medium Light, Cold Test

Made of Pennsylvania Stocks—admittedly the best in the world—to specifications determined by years of experience catering to Western Canada in needs.

Write our nearest office for chart showing which one of these oils you should use

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As a Special

## CHRISTMAS TREAT

Read Pages 84 and 85

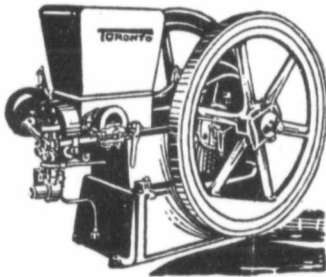
ONTARIO WIND ENGINE & PUMP CO. LIMITED

# TORONTO

## A Toronto Farm Engine Puts Your Farm on an Efficient Basis

OUR time is valuable. You shouldn't perform by hand work which a gasoline engine will do quickly and economically. Let a Toronto Farm Engine relieve your work of half its labor and monotony. Milking, separating, churning, sawing, grinding, sharpening tools, mixing cement—all these and other jobs can be done in quick time with much less trouble.

Toronto Farm Engines are built



to fill every need for power on the farm. Sizes from 1½ to 10 h.p. Run smoothly on either kerosene or gasoline. Special method of vaporizing the fuel ensures easy starting. Very economical of fuel. One gallon of kerosene per horsepower for ten hours' run. Equipped with efficient speed changing device and throttling governor to cause smooth running at a definite, uniform speed whether under light or heavy loads. When properly operated, will deliver from 10 to 20% over their rated horsepower.

We have several interesting booklets describing Toronto Farm Engines in detail, also Toronto Grinders and Saws. They tell just where these machines will help on your farm. Write for them. They are free.

## Toronto Grain Grinders Give Mill Service on Your Farm



Toronto Grain Grinders save money, time and trouble. Used with the Toronto Farm Engine, they save trips to the mill. Give big mill service right on your farm at small cost.

## Toronto Saws Turn Waste Wood Into Money



Solve your fuel problem with a Toronto Saw. The waste wood on your farm can be readily and easily cut into lengths to fit stoves or grates.

### Other Toronto Lines:

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| Windmills              | Stable Fittings |
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Information regarding any of these on request

## Ontario Wind Engine & Pump Western Branch, Ltd.

REGINA, SASK. Also Winnipeg and Calgary. In the East—Toronto and Montreal

### Mr. Thresherman:



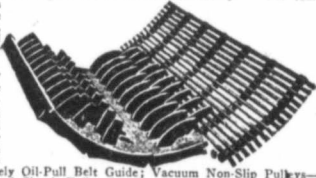
A thresherman after reading our ad. in the March issue of The American Thresherman accused us of "talking through our hat," so in the April issue we let our concave customers do the talking, and we are going to let them do it again. That hard working old war horse, John A. Scott, pres. of the Oklahoma Brotherhood of Threshermen, wrote us April 12, 1919: "Jones, old boy, have just bought two new 24-inch outfits. Ship me concaves for both machines." In 1914 we sold Scott two sets.

Here is a clipping we cut out of the May issue of The American Thresherman: "L. A. Sinclair, Herrington, Kansas, threshed around Wellington last year and has just received a letter which reads as follows: 'I am writing you to let you know that my neighbors and I want you to come down again this year and do our threshing. We were all so pleased with the work that you did for us that we want you to come down and talk it over, as we are all ready to sign up.' The above work was done with a set of Up-to-Date Concaves sold by Sinclair season of 1915. Four seasons of big runs and still good."

Here is what Sinclair wrote us January 6, 1916: "Have threshed twenty-six seasons and 1916 was the worst season I ever threshed, rained all the time, and grain was rotten, but I never saw concaves and teeth the equal of yours. I never lost a tooth and after a few days I forgot all about them as they never gave me a moment of worry." For four seasons the set of Up-to-Date Concaves have been in this machine, and the Wellington farmers, 120 miles away, are begging Sinclair to come down and save every kernel of their \$2.50 Turkey Red Winter wheat.

Send for our Threshermen's Specialty Catalog; it is chock full of Up-to-Date goods for the thresherman. Threshermen's Portable Elevators, mounted and stationary; Hansman Separator and Flow Steering Poles and Binder Hitches; Griep Automatic Binder Hitch for small gas tractors, the only one that turns a square corner; New Rumely Oil-Pull Belt Guide; Vacuum Non-Slip Pulleys—no lagging; Fan Governors; a fool-proof Clutch Pulley for Gas Tractors; Stacker Hoods; Morris Reading Tools; Simplicity, the best fuel cutter ever patented; Rocker Grates; Butler famous Automatic Couplers for engines, separators, bunk wagons and Ford autos; Leak Proof and Supercyl Piston Rings that effectively stop oil gushing. And lots of good things you never heard of.

If interested, be sure to send name, size of separator and number of bars.  
Wm. Penn Jones Implement Works, Office: 1314 Washington Ave., So., Minneapolis, Minn.



## PEERLESS PERFECTION

**FOR CANADA'S BROAD ACRES**

Put a fence that will last a lifetime—a fence that can't sag or break down—that will hold a wild horse—that dogs can't nose through—that can't rust—a fence that stands rough usage by animals or weather and is guaranteed. PEERLESS PERFECTION Fencing is made of Heavy Open Heart Steel Wire with all the corrugations burned out and all the strength and toughness left in. Heavily galvanized. Every intersection is locked together with the Peerless Lock.

For Canadian orders, send for sample and price list. Send for Catalog today. It's attractive, interesting, and worth the wait.

**THE HAWWELL-HOXIE WIRE FENCE CO., Ltd.**  
Montreal, Minn-Hobe Hamilton, Ontario

### THEY MUST SELL OUT OR CLOSE DOWN

WITH deep regret we call attention to the announcement on another page, from which it will be seen that owing to the death on active service of one of its most valued employees and the prohibitive increase in the cost of all British-made goods, the Scottish Wholesale Specialty Company, located in Winnipeg, are compelled to sell out and close down.

These are old friends. With headquarters in Glasgow, they have been doing business in Western Canada for many years with uniform satisfaction to a large circle of regular patrons. We have personally sampled their goods on more than one occasion and can give unqualified testimony to their splendid wearing quality and value when compared with anything else of the kind we have experimented with.

It is nothing more than the simple fact to say that approximately \$150,000 worth of British goods—all of which have been made for the special needs of the western farm and the Canadian climate—are being offered at about one half the actual cost to produce the goods to-day. Since raw material and the cost of

manufacturing in Great Britain are still soaring, our friends find it impossible to make further imports until prices are something like reasonable. It is always a regrettable business to find that any one's opportunity is at the cost of another's misfortune, but such is the fact in the present instance. We can vouch for the sterling character of this firm and the goods which have made it a household word at many points "out West."

### THE SILVERTONE PHONOGRAPH DE LUXE

On another page will be found the announcement of the H. R. Hawkey Co.—old friends of Canadian Threshermen readers—who are building and marketing one of the sweetest toned members of the phonograph family on the market.

The machines are certainly fine looking pieces of furniture but their success is first of all in the character of their tone production, and the wonderful price at which they are offered, the terms on which they can be obtained and the unqualified guarantee which goes with every instrument purchased.

We can speak in the highest terms of the business standing of the Hawkey Company.

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BREAD is an essential to youthful growth and development. So, also, are the oils and butter fats and other wholesome ingredients of

## Swift's Premium Oleomargarine

Use Swift's Premium Oleomargarine for school lunches—it's the very nourishment children need. Use it on your table—in your cooking—it's pure, wholesome and delicious, always.

*Be sure it's Swift's Premium!  
Your butcher or grocer has it,  
or can easily get it for you.*

Swift Canadian Co.  
Limited  
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**GENUINE DIAMONDS**  
ON APPROVAL  
\$2 A MONTH

Wear a genuine, perfect diamond for one week at our expense. Examine the stone under all conditions, then don't buy unless we save you from 10% to 40%. We sell direct to you, at importer's prices. We can give you best values in Canada.

**OPEN A CHARGE ACCOUNT** Those who wish to pay as low as \$2 a month. No notes or mortgages. Small deposit with order balance required. All Charge Account dealings confidential. 10% cash discount. 7 1/2% increase guaranteed. Diamonds purchased from us may be exchanged any time at a 7 1/2% increase.

**CATALOG FREE** A letter or postcard brings beautiful catalog of exclusive diamond rings, pendants, tiptops, etc. Gives history of the diamond, explains qualities and values, and how you may get one to wear a week without cost. A book every diamond-lover should have. Send to-day.

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**THE Dixie "Ace" Tractor** has so many exclusive features that its superiority is unquestioned. It is the "Ace of Aces"—acknowledged by everyone as setting an entirely new standard in tractor design and construction. The Dixie "Ace" leads,—others follow.

You do not buy a tractor everyday—you cannot afford to do anything until you learn all about the Dixie "Ace."

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**North Star Drilling Co. LIMITED**  
Manufacturers of

**Well Drills and Augers, Wood and Iron Pumps**

Dealers in Pumps, Engines, Windmills and Supplies, Sand Screens, Sand Points and Dynamite. Also Power and Hand Washing Machines and Cream Separators

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**CYLINDERS REBORED**

All makes of Gas Engines, general repair work on all classes of Farm Machinery.

**Satisfaction and quick work.**

**ROMAN'S MACHINE AND REPAIR CO.**  
MOOSE JAW SASK.

**100 Candle Power**

Beautiful white light by using the **WONDER MANTLE BURNER**. Price, complete with rubber collar to fit your ordinary lamp taking **\$3.00** one-half size, **\$2.00**

**United Manufacturers GALT BUILDING, WINNEPEG**

# How We Backed Our Fighting Brothers

By JEAN MACDONALD

(The following article has been specially written for this, our Christmas issue, by a young Scotchwoman who spent 3 years of her life in making ammunition for the British army and navy. It will be found of surpassing interest, not only to our womenfolk, but to every reader of whatever age or sex.)

A simple, matter-of-fact story of the daily routine of the ammunition girl, it conveys a most vivid impression of the way in which womanhood finally "came into its own" during the war, and by reason of that great cataclysm. Ed.)

**YES!** Austria and Serbia are at war, but that has nothing to do with us, has it?"

"First into the sea. Go!"

That was July, 1914. We were just a happy, careless crowd of girls, enjoying our morning dip in Aberdeen Bay. Then came war, with all its horror. Will any of us ever forget that wet, miserable Sunday, when our naval men went off, and our "Old Contemptibles" entrained for ———?

Was there a fight in the North Sea? We never knew correctly, only when these wounded men were driven along the streets we understood. It was dreadful, we girls had never seen men like this before, and we looked on the blood-stained bandages with a sickening kind of horror. We soon forgot that incident, however, and life went on just the same, only more men joining up and drilling, etc.

A year had gone since that unforgettable day of mobilization, and we girls were still playing around. Then engineering classes commenced and this was something quite different. It was great fun to turn small pieces of steel to different sizes; but of course we—well, we didn't want to go to munitions. There were still plenty of men for that. At last a meeting was called, and Lloyd George's letter read to us. "Our boys had done well, were we going to help them out?" Then our principal asked if we were going to volunteer for munitions, or were we treating the classes as a joke? Who would sign for, say three months? But we girls wanted munitions to come to us—we had not contemplated leaving our home town.

However, we saw that unless we stepped in, and did exactly what we were required to do, then the boys out there would have to wait. In fact, they were waiting now. Then commenced our "Real War Work." It was full of interest; but oh, our hands! A small piece of steel got in our fingers—we did so hope that wouldn't occur again. How often I look back on that little incident and laugh.

Then up at 4-45 a.m., have a light breakfast, a half-hour's walk in a pitch black morning; and then commence at six, with intervals for meals, until 8 p.m. at night. Machines were badly wanted in order to make shells. Russia had no munitions and no machines, so there you have it. But we found no difficulty, and made no complaint when we knew a great many of the other girls got up at 4 a.m. and got back at night about 9.30.

The engineering shop was one long, wide building, with a centre gangway running from end to end. First, the big capstans with their heavy belts, and then the smaller ones, drillers, planers, etc., until the fitting shop and test bay were reached.

Each of us girls wore long, double-breasted coats, with caps to match, in order to protect our hair. A more varied crowd was hard to find. There were mill-girls, "stay-at-homes," ex-nurses, typists, school teachers, the ex-doll, and then the young married lady; for twelve shillings and sixpence wouldn't keep a house going, and not to speak of the parcels to send our men folk at the front. And there was no time to think, these days.

At first we seemed to scrap so much,

and there seemed so many dangerous points about a machine. However, we soon caught on and as each different piece came through we tackled and finished it before the specified time; and we sometimes worked as close as the thousandth part of an inch, although as a general rule we worked to a grinding scale, and holes had all to be running dead true.

"Are the girls any good?" That question was asked ceaselessly, but the answer always came direct: "They're splendid, and we couldn't do without them now." Yes, girls worked on machines that only men could work before! Of course the young boys also went on these big lathes.

There is one big Scotch lassie, an ex-fisher girl—she is called "Annie Laurie," and she is a typical fisher girl—



Scotch Fisher Lassie who Became Expert Machinist and Made Thousands of Tons of Ammunition for the Boys at the Front.

tall and strongly built. Her strength amazes me, as she swings her turret round, and she can go on a whole day, without stopping, working at top pressure.

Then more and more girls were wanted to put the munitions out, and they came from all parts of Ireland and Scotland. And I feel so proud of my own sex when I remember some of these girls.

It was close on holidays; there weren't going to be any; but at last one week was allowed.

"Are you going home?" I asked of one wee girl who hailed from the north. (We were now working in Coventry, England, you see, about 450 miles from home.)

"No! You see I wouldn't like mother to see my face like this."

She was "A Yellow Canary," a term used for the girls who worked among the high explosives. One false move, and, well, probably that was the end of her. Yes! girls did sometimes lose their lives. I have seen fingers torn wide open with a small explosion. To these girls—and very few of them knew what nature of work they were going to do—I bow in silent admiration. I have seen a group of them get together at our club, and a merry bunch they were, you might say they were rather reckless, but could you blame them?

Then Zeppelin raids commenced, and, although we were out of their reach, yet one could never tell how far inland they might venture. It is impossible to de-

scribe the awful suspense we had to endure. Soon the heavy strain began to tell, and it was with a grateful feeling that we again saw the North.

An experienced girl was always welcome in a shell-shop, and naval shells were in great demand. Shall I ever forget these 13 lb naval shells? If they had been for the army; but no, it was our luck that they should be naval shells, and back they came. "Must be like a piece of glass inside," not a scratch was allowed. Then came the piling up of eighteen pounders in the bond room. At first it seemed bad enough to lift one; but later we were able to throw these shells to each other, although that was a game for which I never cared. You see if a shell slipped it meant a "swollen foot," and many a time a girl was unable to walk for two or three weeks after having one of them dropped on her foot.

Then came the weighing of the shells, and that business was no joke. As a rule there was always one finger-nail black, owing to a still having fallen on it. It was one of the most painful experiences to have one of these eighteen pounders fall on one's fingers—say around twelve o'clock, midnight.

Then Britain wanted a-ropes and more airships, and those girls who were still at home idling, or engaged on unessential employment, were urged to come forward to help. It was London, now, and here commenced an entirely new life—hostel rules, etc., and school. There were about twenty of us girls in one hostel, and we all went to school together, and that hostel was very pleasant. Then we "Legion" girls were sent anywhere the Government required us to go. It might have been, and often was, a disappointment to find oneself stuck in a small out of the way spot; but then we were at war, and we belonged to the "Legion!"

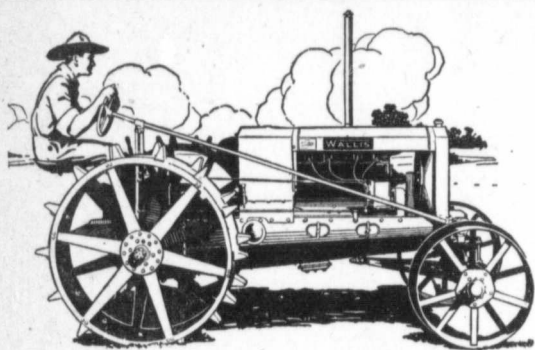
Then commenced the last part I played in "The Great War," and that by no means the simplest. At last I was to take the skilled man's place, after months of weary training. Oh! the agony of putting the finishing touches to a job, and then to find the "ball bearings slipped on"—I had made the fittings a hair's breadth too small for the job.

How we used to envy the girls who washed up the dishes in the canteen; but we had to go through with it. Then when we ought to have taken the skilled man's place, war came to an end, and of course, with it, our classes. Did we regret the time spent? No! for we had done a great many useful things, and we had the satisfaction of having been "in it!"

Just a word about the "Land Army" girls. If you could have seen these slim, fair-complexioned, neat-looking girls, clad in their short pants and smock, handling these heavy type of horses, loading up, and taking their horse's head, you would have felt as I did, ready to burst with pride. I have been in conversation with these girls, and they, one and all, agree that there isn't a more ideal life. For we girls in khaki never would be introduced to each other, we were all out to win.

Then let me describe our "W. A. C." Need I tell you much about her? You have heard all sorts of tales, I daresay, as I have; but let me say, of all the girls I admire most she heads the list. When I remember these girls in pre-war days, flighty little "flappers" many of them seemed, and think of them as I saw them last, I am bound to say that those who then thought of them as I did had gravely underestimated those splendid young women.

Just one word more. The question has often been asked me: "Has the war made any difference to our women over there?" It is a hard question to answer, yet I can affirm that the women of Britain have lost most of their "cattishness" and are more willing to help their less fortunate neighbor than at any time in pre-war days. This I can say: All the women of my circle of friendship or acquaintance have certainly gone a long way to make the daily life of our working world a brighter and nobler one than in any period of their past—and all because of the selflessness of their war service.



# WALLIS

"America's Foremost Tractor"

**T**HE most important thing you can buy in a tractor is long life. A tractor must stand up to be a profitable investment. Only by serving faithfully year after year can it prove a definite economy.

In the Wallis—America's Foremost Tractor—durability is an established fact. Over 12 years of experience has proved that the Wallis principle of combining power, light weight, simplicity and durability is the one outstanding tractor achievement of the day.

## J. I. Case Plows

J. I. Case Plows will stand the heavy work strain of the powerful Wallis Tractor and produce better results with less horse-power per bottom. This is true plow economy. If the saving thus effected could be properly estimated it would mean many dollars each season. The Case is the most popular plow on the market to-day, and because of many splendid features is a favorite in all parts of the country.

## The Canadian Fairbanks-Morse

Company, Limited

WINNIPEG

SASKATOON

CALGARY

## Why the Wallis Endures

In this remarkable tractor many original ideas have been proven. We now know that heavy weight and bulk are not essential to great power and long life! That tractor efficiency and long life depend largely upon the quality and finishing of the vital wearing parts—the gears—the bearings—the transmission—the combustion chambers, etc.

Wallis has proved that the gruelling strains a tractor must withstand demand even finer materials, finer workmanship and more accurate machining than a motor car.

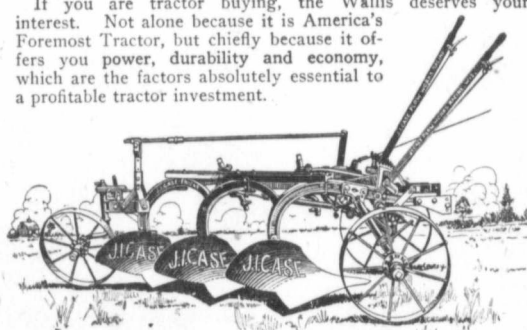
In the Wallis the finest materials only are used. The most expert workmanship is employed. Machining is carried to the thousandth part of an inch. Innumerable inspections eliminate inaccuracy.

In the Wallis Valve-in-Head Motor the combustion chambers are completely machined; Wallis gears are cut and hardened steel. All gears and working parts are enclosed in a dust-proof housing and run in a constant bath of clean oil. Bearings are all oversize.

And these are some of the reasons why Wallis service is constant—why owners have utmost faith in its performance—its dependability—economy and long life.

Naturally Wallis durability, combined with its tremendous power, light weight and simplified construction, results in a new standard of economy. Everywhere the Wallis has established remarkable records in "low-cost-per-acre" and in "low-cost-per-year-of-service." These are the true tests of tractor economy.

If you are tractor buying, the Wallis deserves your interest. Not alone because it is America's Foremost Tractor, but chiefly because it offers you power, durability and economy, which are the factors absolutely essential to a profitable tractor investment.



## Sensible Christmas Gifts

**F**OR a long time our readers have been familiar with the name of "The Northland Knitting Company." It has appeared very often in our advertising columns along with a certain triangular trade-mark like this:



This is an all-Canadian manufacturing house, a typical Western firm, as its big and steadily increasing factory and personnel are wholly located in Winnipeg. The hard working men and women of the "Northland" organization are experts in the making of woollen sweaters for ordinary men, women and children. They also have secured a fame from coast to coast for their really artistic results in the production of these garments in up-to-date styles and of de luxe quality for extraordinary women and young ladies, who will not wear a thing if it isn't positively unique.

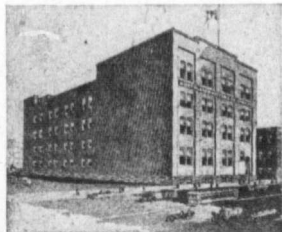
Mitts, gloves and moccasins also enter into the regular sphere of this great industrial hive, and in these details they have won a high place in the esteem of western folk who have known what it is to wear a "Northland" mitt or moccasin. They are second to none of the kind made for quality, comfort, style and value.

Some time ago we gave a few details and photographic illustrations of the interior of the Northland factory. At the present moment building operations are in progress which, without the slightest inconvenience to the hundred odd hands or the machines they are manipulating, will add 11,000 square feet to the floor space, and when the two extra stories have been completed and the machinery installed, the output will be practically doubled.

With a regard for the health and comfort of the workers, which has been in evidence from the first, larger and much improved dining room accommodation, kitchen and complete cooking furniture are being provided. A smoking and reading room for the men, rest-room and

phonograph for the girls, separate cloak rooms are also being fitted up under the new programme.

None of this is being done, of course,



"Northland" factory—to which two stories are now being added.

"for the fun of the thing" but is solely in response to the demand for the "Northland" specialities. They are marketed not only in Western Canada, but find their way in large shipments to the east—a striking tribute to the character of the goods since they are pitted against the best that the historic eastern manufacturers are able to produce.



Artisan's Son—"Say, mother, did God have to join a 'Union' when he made the cart!"

# Our Women Folk

CONDUCTED BY  
PEARL RICHMOND HAMILTON

LOVE came down at Christmas,  
Love all lovely, love divine,  
Love was born at Xmas;  
Star and angels gave the sign.  
Worship we the Godhead,  
Love incarnate, love divine;  
Worship we our Jesus,  
But where with for sacred sign?  
Love shall be our token,  
Love be yours and love be mine—  
Love to God and all men,  
Love the universal sign.

## BABY'S VALUE

HOW many pounds does baby weigh,  
Baby who came a while ago,—  
How many pounds from crowning  
curl  
To rosy point of the restless toe?

Nobody weighed the baby's smile,  
Or the love that came with the helpless  
one;  
Nobody weighed the threads of care  
From which a human life is spun.

Nobody weighed the baby's soul.  
For here on earth no weights there be  
That could avail: God only knows  
Its value through eternity.

O mother, sing your merry note!  
O father, laugh, but don't forget  
From baby's eyes looks out a soul  
To be in Eden's light reset!

## BLESSINGS OF PARENTHOOD

P. R. H.

"So many names, so many fames  
Have echoed through the earth;  
So many deeds, so many creeds,  
So much of change found birth.  
But through the eons onward carried,  
Unaltered, undefiled  
Two figures dominate the world—  
A mother and a child."

WHEN they brought my first little  
babe to me I wondered  
what I had done to merit  
such a wonderful gift. It seemed  
that Heaven was very, very near as I  
cuddled her close and looked into the  
depth of her lovely eyes, while her  
daddy christened me with my new name,  
"Mother." Surely that part of the  
alphabet was framed by the angels.

"As pure as a drop of dew that rests  
Within the heart of a rose;  
As warm as the beam from the golden  
crest  
Of the sun in the east that glows;  
As near to God as the sunlight stars  
In the vault of blue above;  
The sweetest and purest thing of earth,  
Is a little baby's love."

Those first few days were wonderful  
days—with the new babe in my arms,  
and the daddy watching us very  
tenderly every evening after his day's  
work, with that splendid expression of  
great ambition that kindles the new  
father with giant strength. She slipped  
into our waiting hearts and made us  
see the soul's eternal flame.

The years passed and her sister  
came and we caught even greater  
glimpses of a larger life than when we  
had our first great glimpse of paradise.  
I believe the Heavenly Father gives  
mothers these visions that they may  
have guiding light to direct the little  
ones through life.

These pictures remain in a mother's  
heart forever. They are painted by the  
Master Artist.

## THE DIGNITY OF MARY ANNE MCGINNES

Pearl Richmond Hamilton

SURE and it's not the likes of me  
that would blast the character of  
the little Mrs. Steinkoff across the  
street!" exclaimed the big-hearted  
neighbor as she hung her little lad's  
patched coat on a hook near the red  
hot cook stove.

There was a suggestion of warmth  
everywhere in that Irish kitchen—from  
the broad cheerful smile on the  
optimistic face of the homemaker to the  
maltese cat singing a purring lullaby  
on an old cushion near the wood box.

"This habit of tearing down women's  
reputations and girls' characters and  
men's hopes isn't adding any deposit to  
the credit side of our community if it's  
my opinion you're wanting," she added,  
lifting the stove lid for a stick of wood  
to increase the temperature even with  
her mental boiling point.

"I'm thankful I have to wash for a  
living, for I'm always thinking of clean  
clothes and if anyone in this town can  
hang out a whiter washing, I'd like to  
see it," and Mary Anne McGinnes  
looked out of the window with pride at  
the spotless clothes on the long line.

Her day's work was finished. The

empty tubs, placed side by side, near  
the back door, were hour soaked. There  
was no leak of idleness in them.

"Do you think I could make a dirty  
dress clean by making it dirtier?" she  
asked, sweeping up the last bit of dust  
from the floor.

"What's the use of going to aid  
societies and missionary meetings and  
uplift clubs, if our town is getting  
dirtier all the time? I wouldn't have  
time to attend any of the meetings even  
if they would invite the town washer-  
woman. But believe me, I'd like to start  
a club for cleaning reputations. I'd  
like to see everyone in this town with  
a reputation as clean and white as that  
table cloth on the line. You know that  
cloth was full of stains and marks when  
I first got it, but I rubbed and rubbed  
and boiled it till it came out beautiful.  
I did everything I could to clean that  
piece of linen. Now, every reputation  
in this neighborhood could be made to  
come out clean if we would rub the  
stains out with Christian muscle.  
There's the cleansing power of love that  
will take the stain out of any character.  
I've used it a lot and it's the best  
cleanser in the world. There's no  
patent on it because it's one of  
Heaven's free gifts."

The two women sat down for a cup

of tea, at the table near the window,  
in which there were two healthy  
geraniums alive with clusters of pink  
blossoms.

"But, Mary Anne McGinnes, you and  
I can't do anything for the town, we're  
the two poorest women in the whole  
place," whined the little visitor, as she  
rubbed her hand across her lined fore-  
head. "Besides, we're too busy. You  
wash every day except Saturday and I  
have to mend other peoples clothes from  
breakfast till midnight," she continued  
as she stirred her tea with a nervous  
hand.

"Oh, yes, I have time to help, Sarah.  
I have time to rescue that little woman's  
name every time somebody throws mud  
at it in my hearing. Why there is an  
angel in everybody in this town from  
that little woman across the street to  
Mrs. James, who lives on Aristocracy  
Hill. Watch me bring the angels to  
the surface. The little imps of devil-  
ishness have had their day if Mary Anne  
McGinnes will play her patriotic tune  
on the village washboard." And the  
washerwoman with the vocabulary of  
suds and soda planted that moment the  
germ of a flowery campaign in her little  
corner.

"Now, there was that dear girl up  
the street who was forced to leave a  
helpless mother and go to the city  
because she was hounded by gossip dogs.  
Her mother and brothers and sisters  
need her and she is fitting in no particu-  
larly necessary groove in the city. Why,  
we could have made a fine young woman  
of her here. Her tender heart was  
aching for a little variety. Every girl  
has a right to fun. What did God make  
sunshine for if he didn't want us to  
chase the dark away? Why we all want  
fun! I have a lot of it because I see  
little joys bobbing up everywhere. Sam  
kissed me this morning for tying on  
his scarf. Little Betty said, as she  
buttoned her boots: 'I love you, mother,'  
and John told me last night that our  
kitchen was the coziest spot on earth.  
That's sunshine. Now, that little girl  
went out for a little sunshine and the  
town summoned every black cloud it  
could to gather over her. There was  
no sunshine here for her, so she went  
to the city in search of it."

Sarah sipped her tea in strange  
silence.

"Then Jack Brown failed in business,  
because we did not boost him. He sold  
big potatoes but his customers com-  
plained of his little onions. His windows  
were attractive but Mrs. Smith criticized  
far and wide the position of his sugar  
bin. Yes, the people of his home town  
drove Brown to the wall as sure as  
Deacon Dean sours tobacco juice on  
the stove of every store in town."

The two women moved their chairs  
near the stove and Mary Anne Mc-  
Ginnes reached for her darning bag.

The seal of service marked a soul so  
sweetened that no after sorrow could  
rob her of the wealth of her heart.

There was gratitude in her home. She  
laughed at difficulties for they bound  
the family together and taught them  
endurance, self-dependence, earnest  
kindness and active goodness.

Her part in the town life was deeds.  
When any of her neighbors were ill,  
Mary Anne McGinnes found time to  
gladden them with a bit of sunshine,  
even though she had to wait till the  
children had gone to bed.

On rainy days she was grateful for  
the soft water; when the sun shone she  
said it was a good drying day. For

(Continued on page 70)



A REAL SANTA CLAUS



# PURITY FLOUR

## "More Bread and Better Bread"



We extend  
to all:  
a hearty  
Christmas  
greeting

WESTERN CANADA FLOUR MILLS CO., LIMITED  
Millers to the People  
WINNIPEG BRANDON CALGARY GODERICH



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HIS NEW UNIFORM



**NORTHERN**  
Guaranteed  
**Shirts and Overalls**

As good for the farm job as Khaki was on the battlefield

The Northern Shirt Co. Limited  
WINNIPEG



**EASTLAKE**  
**TANKS**



**Cheapest because they're the Best**

**THE "Eastlake" Round End Stock Tank is very popular. Made of highest quality, heavy galvanized iron; the heavy tubing is firmly locked on and the strong angle iron braces are formed around the tubing. Side seams have double row of rivets. Bottom is turned up inside—the strongest construction known.**

"Eastlake" Tanks are right in every rivet. All styles including, Horse Tanks, Cisterns, Greenhouses, Hot Troughs, Gasoline and Coal Oil Tanks, Wagon Tanks, Snow Melters, Feed Cookers, etc., Well Curbing, Corrugated Calverts, Garages.

Ask for folder on the Tank you want.

**Metallic Roofing Co.**  
Manufacturers Limited  
757 Notre Dame Ave. Winnipeg

**What to Look for in Buying a Phonograph**

By HENRY PURMORT EAMES Director of Piano and Musical History and on Esthetics in the Cosmopolitan School, Chicago.

**FOREWORD**

**S**ELECTING the proper phonograph is an easy matter if one knows definitely what to look for when investigating the various makes.

The following article outlines in brief the vital points to be taken into consideration in the purchase of an instrument.

Each item should be considered separately, for their arrangement in no way signifies that any one is more important than another.

— Henry Purmort Eames.

A phonograph is built primarily to reproduce sound. Tone is perhaps a better word, for the number of musical records in demand is greatly in the majority.

For this reason tone quality is a most desirable feature and should be one of the first to receive the attention of the prospective purchaser.

**Tone Reproduction**

In the phonographic reproduction of a musical tone, there are four prime essentials:

- (a) The record.
- (b) The needle (or point), which vibrates through contact with the record and transmits these vibrations to the reproducer.
- (c) The reproducer, which magnifies the sound vibrations and passes them along to the tone amplifier.
- (d) The tone amplifier which, as the name implies, enlarges, enriches and rounds out the tonal vibrations.

Let us consider briefly each of these four important requirements.

**The Record**

There are many different makes of records, each make presenting the recorded art of distinguished artists, orchestras and bands, all worth a place in any phonographic library. To limit oneself to any one make of records is to forego the pleasures which all of the other makes afford. It is a first essential, therefore, to select a phonograph which can play records of all makes.

**The Needle**

There are four common types of points—the steel needle, the wood fibre needle, the sapphire ball, and the diamond point—all of merit; each possessing special qualifications essential to certain makes of records. Therefore to have all four of these needles or points at one's instant command becomes a practical necessity to those buyers who would enjoy the advantages of reproducing any and all records upon their phonograph.

**The Reproducer**

The reproducer should, first of all, be of sufficient size to adequately magnify the vibrations received from the needle and to transmit them to the tone amplifier with power and fidelity, retaining their true tone-quality, character, purity and power.

The diaphragm (or diaphragms) should be of mica, the best known substance for this purpose—mica being practically unaffected by changes of temperature.

The reproducer should also be of such character and construction that with the least possible effort—merely a turn of the hand—it can present to each make of record its proper diaphragm and most effective needle, instantly taking the exact position and offering the precise degree of pressure required by that particular record—for different makes of records demand varying degrees of pressure to insure the most artistic results.

Too light a weight upon the needle means failure in reproduction, while too heavy a pressure means early destruction of the record itself.

The most modern type of reproducer is equipped with a permanent diamond point and separate mountings holding the sapphire ball and steel or fibre needles always in place. A turn of the hand is all that is necessary to adjust the desired needle or point to any record made.

This most modern type of reproducer makes it unnecessary to change reproducers or to use other make-shift arrangements.

**The Tone Amplifier**

In order that the tonal volume may be full, resonant and clear, the throat and tone amplifier should be round or oval in shape, approximately the form of the human throat and mouth, and should by all means be entirely of wood in order to eliminate all harsh, thin or metallic tone qualities.

The full, rich tones of a violin result largely from its construction of well-seasoned wood—all metal being done away with.

Then too, the tone amplifier should be built entirely of wood for the same reason that wood is used in the construction of the sounding-board in a piano. Invariably in the finest toned pianos the sounding board, which augments and reflects the desired purity and volume of tone, is built entirely of wood. Even the dove pins, which hold the wooden ribs and wooden bridges in place, are of wood, thus avoiding the use of metal screws.

So, when selecting a phonograph, the purchaser should insist upon seeing the tone amplifier (horn it is sometimes called) to be sure that it is constructed according to these advanced acoustical and musical laws. If it is not made of well-seasoned wood, but is cast iron or tin, a thin metallic tone is sure to result.

**The Tone Modifier**

Inasmuch as it is always desirable to maintain control of the dynamics (tone force) and play certain records louder or softer than others, a tone modifier is essential.

This device should be easy to operate and conveniently located, yet not in the way as one places a record on the instrument or winds the motor.

The tone modifier should permit one to regulate the tonal dynamics (from very loud to very soft) and, once it is set, should not be continually operated while a record is playing.

The wisdom of this advice is easily appreciated when one considers how incapable the average person is of taking liberties with the artistic expression of a Muratore, Caruso, Galli-Curci or of a symphony orchestra under the direction of such masters as Gabrieliwith, Stock, or other well-known conductors.

This scientifically constructed tone modifier should lessen the degree of loudness only and not choke or stifle the tone utterance; the tone modifier must not produce the effect of stuffing a handkerchief into the singer's mouth—a too frequent result of tone modification in phonographs.

It is important, too, to see that the tone is modified before it reaches the amplifier or horn, for, after the tone has been amplified (increased in volume) it can be modified only at the expense of tone quality.

**The Motor**

There are many well-known motors now in use in the phonograph trade, all of which have been developed to a high degree. The principal function of the motor is to revolve the turntable, thus turning the record. It should wind easily and noiselessly, operate quietly and revolve the turntable at an unvarying rate of speed. Your guarantee of a dependable motor is the reputation of the house which manufactures it.

**Cabinet Work and Finish**  
Whether or not a phonograph is attractive in design is a matter for each individual to decide, for personal taste enters largely into the decision.  
The cabinet, however, should be well finished—the back as well as the front. Carelessness in finishing the back of an instrument may mean carelessness in other points of manufacture which are not open to inspection after the instrument is complete.

**Conveniences**

In addition to a simple, effective and scientific all-record reproducer and an all-wood tone amplifier, there are several other conveniences which are highly desirable to the purchaser.

**Automatic Stop**—One of these is an automatic stop which accurately stops the motor at the end of each record, making it unnecessary to do so by hand.

**Automatically Balanced Top or Lid**—An automatically balanced top or lid is also desirable—one that can be raised and lowered with one hand and remain in position without the aid of a "catch."

**Record Filing System**—A proper system for filing a goodly number of records should also be provided and should be of such a nature that the records will be kept in first-class condition.

The records should also be conveniently indexed and so arranged that they can be selected and replaced with minimum effort.

The filing device should be as permanent as possible to avoid wear and tear and the necessity for replacement.

**Compartment for Accessories**—A compartment for accessories should also be provided so that one can have at hand needles, needle-cutter, oil, record duster, dust cloth, etc.

**Up-to-Date Tones**

Modern phonographs offer many advantages over old style instruments. When buying, therefore, the purchaser should be sure to select one which embraces the latest and best ideas in tone production.

**The Manufacturer**

The manufacturer, too, should receive earnest consideration. An answer to each of the following questions will be of decided advantage:

- (a) How many years has the firm been in business?
  - (b) What is its reputation? Has it been a leader in this and other lines which it has manufactured?
  - (c) Is it known for its progressive-ness? Has it followed the principle of developing to a high degree—scientifically—the various products which it has made?
  - (d) Has it brought out new and exclusive improvements which have added materially to the desirability of its products?
  - (e) Has it ample capital to develop the business along the most modern lines?
  - (f) Is its method of distribution costly or economical?
- The foregoing are salient points to be observed and regarded by thoughtful purchasers of a reproducing instrument. They are respectfully submitted by the writer as an unprejudiced aid to prospective buyers.

**FOUND A BIT PERSONAL**

"I wish that our pastor wasn't obliged to preach to such a small congregation," said the deacon of a church in Richmond, Virginia.

"So do I," said a frivolous widow in the group.

"Every time he said 'Dearly beloved' this morning I felt as though I had received a proposal."

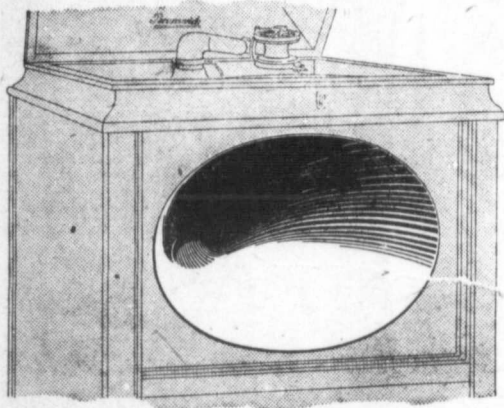


"The Little Fellow's a Milk-Fed Chickens"  
"Huh! He Must Have Been Fed on Condensed Milk!"

MADE IN CANADA

# Your Next Phonograph will be a Brunswick

## "All Phonographs in One"



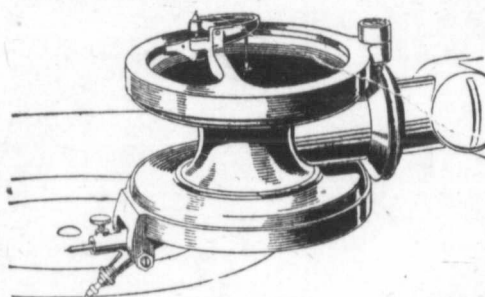
—and here is why—

### The "Round" All-Wood Horn

You never heard of a "square" horn in a band or any musical instrument; you never saw a square megaphone. We learned in high school that all sound-waves travel in circles or ovals, yet you will not find any round horns in any of the old style Talking Machines. Artists sing INTO a round horn, and the Brunswick sends it OUT in a round horn.

That's a simple "secret," isn't it? And yet no one has ever made a round WOOD horn before—and, more than that, no one else ever will, because this is one of the exclusive patented features of the **BRUNSWICK**.

This one feature alone is responsible for much of the Brunswick's wonderful TONE. It makes every good record—of ANY make—better. Because it is all wood—built like a violin.



### The All-Record, All-Needle Ultona

This wonderful Reproducer was designed AFTER all the great Record Libraries were formed.

It is NOT an attachment, and it plays any make or type of record without taking anything off or putting anything on. A twist of the wrist—and it is ready for anything. No needles to change.

And it plays every record CORRECTLY, with just the right needle, just the right weight, and describing just the right arc across the record. And your needle type records actually last longer.

Since the Brunswick came with this wonderful invention, notice how they all say, "Plays all records." Just you see how they do it — then come investigate the ULTONA.

## And here are more reasons why—

You are not restricted to any one list of artists with a Brunswick—positively not.

Every artist is available for the owner of a Brunswick.

There are 86 artists of world-wide fame in particular, whose records are in great demand. These great artists sing to different makes of records. That's the value of the Brunswick.

But all of these different records are played CORRECTLY on the All-record Brunswick.

This means that when you own a Brunswick EVERY Grand Opera Star, EVERY Jazz Band, EVERY Vaudeville Entertainer, EVERY Orchestral

Organizations, EVERYBODY helps to entertain the Brunswick owner.

And mark this: Every make of record is played CORRECTLY on the Brunswick—played just as if it had been made especially for the Brunswick. Go to the nearest Brunswick dealer listed below and let your ears be the judge.

Have the dealer play ANY make of record on the Brunswick, and see for yourself how the Brunswick Ultona is adjusted INSTANTLY—by a mere twist of the wrist to any make of record.

And note the wonderfully lifelike purity of tone of EVERY record when played on the Brunswick

## GIVE YOUR FAMILY A BRUNSWICK THIS CHRISTMAS

The Brunswick costs no more than ordinary phonographs—prices of conventional models range from \$148 to \$395. You cannot afford to make a mistake. Your nearest dealer below will gladly demonstrate the Brunswick for you. Your old model taken in exchange.

MAIL US THIS COUPON TO-NIGHT

The Musical Merchandise Sales Company

Sole Canadian Distributors

143 PORTAGE AVE. E., WINNIPEG

### COUPON

The Musical Merchandise Sales Co.,

Dept. C.T.F., 143 Portage Ave. E., Winnipeg.

Please send me FREE your booklet illustrating the Brunswick ALL-WOOD OVAL HORN and All-Record ULTONA, along with name of my nearest dealer.

Name .....

Street or R.R. ....

P.O. .... Province .....



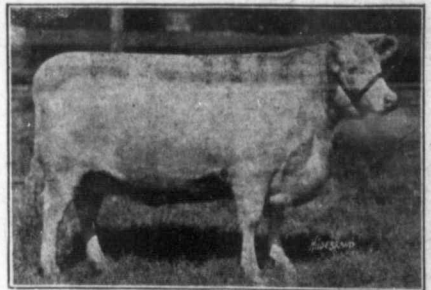
## Are You Satisfied with the Ventilation in Your Barn?

"Townsley" ventilation in your barn makes your animals strong and healthy. You cannot afford a poorly ventilated building, and it is only fair to your stock to give them a chance to thrive. Take pride in your barn—the Townsley Ventilator is the finishing touch that makes a barn look good: it's a visible asset.

Send us dimensions of your barn and plan showing arrangement of the stalls. We will design a system of ventilation for your particular barn and furnish estimates and blue prints free.



Made in Canada by Canadian expert workmen for Canadian conditions—particularly winter conditions.



LAVENDER 47th

### Winner of the Townsley Special Prize Sells as Champion for \$5,000

Lavender 47th, bred by J. C. Barron, of Carberry, and purchased by C. G. Beeching, of De Winton, Alta. These men believe in Townsley ventilation.

The cheapest and best insurance for your life and property is protection from lightning by the Townsley System of Lightning Arresters.

## The Townsley Manufacturing Co.

BRANDON, MAN.

Why Not Have Your Next Suit or O'Coat Made to Measure by the World's Largest One Price Tailors?

ONE PRICE  
\$27  
to Measure



You save from \$10 to \$15 if you do not live in or near a city where there is a Tip-Top one price Tailoring store—write for new Fall samples, Style book and measurement form. We guarantee satisfaction or money back.

Tip-Top Tailors

A chain of stores from coast to coast  
Mail Order Dept.  
263 Richmond St. W.  
TORONTO  
All orders from Winnipeg or West of Winnipeg—\$50.00 for suit or overcoat.

FOR SALE—20-40 H. P. Case Tractor, only plowed 150 acres, practically as new; and five-furrow Cocksbutt Plow, stubble and breaking bottoms, and about 25 shares. Would trade for cattle. Owner must sell on account of leaving Canada. H. F. Cole, Masonville P.O., Saskatchewan.

WANTED—Man experienced with farming in Western Canada, and capable of position as manager of large farm. E. G. Dollenmeyer, Briarcrest, Sask.

(Continued from page 66)

everything that came her way brought its own blessing and that spirit is contagious. Sam went to school in gay spirits and little Betty's smile won a way with everyone's heart. The big husband was respected by his employer because he felt his responsibility to the welfare of the business.

The two women sewed and talked the rest of the afternoon till the atmosphere was changed with vital ambition.

The next morning was Saturday. About nine o'clock Mary Anne McGinnes finished her work and dressed for her week end shopping. There was an unusual expression of determination on her firm mouth as she buttoned the long grey coat.

With her shopping bag, the size of which corresponded with her nature and physique, she walked up town.

Can anyone imagine her shoulders stooped and her eyes cast downward? Her disposition was not directed that way.

"Good morning, Mr. Ray," she greeted the grocery merchant, in her usual glad manner.

Everyone in the store held their head a bit higher as each recognized Mary Anne McGinnes. Heart sunshine has that effect.

"What should be the increase in your business if everyone in this town would speak a good word for it?" she asked, picking up a big yellow pumpkin suggestive of potential pies.

"Well," replied Ray, "it would be the best advertising campaign a firm could have." He looked at Mary Anne McGinnes inquisitively. He was not surprised for she always brought a fresh bit of originality with her.

"Well, Ray, I'm going to launch a campaign of that kind for every firm in this town and for every man and woman and girl and boy and child. This place is going to put itself on the map as the most up-to-date, prosperous burg in the West, and don't you forget it!" she exclaimed as she bumped the

pumpkin down on the floor with a force that nearly burst its sides.

"You, and every one in this town shall be obliged to take stock in a company that is going to be incorporated as the Citizens Reputation Laundry. The object of this business is to keep reputations clean. It's going to be the most prosperous business in town. There'll be no strikes—no increase of wages, no unrest—because the capital is love and the scale of wages is love. The more they put in the more they draw out of it. It's the capital loaned by the Birth of the Christ Child and it's going to be the greatest investment ever made in this town."

And the early morning shopper walked out with a step of decision. Everyone in that store had something new to think about.

Mary Anne McGinnes visited the post office, the dry goods store, Ray's rural grocery business, the barber place

and the hardware, and everywhere she explained her mission without any idea of opposition. Somehow no one ever thought of opposing her, anyway.

She left the office of the barrister until the last. This was no sentimental affair—it was a business proposition and it had to be directed and advised by legal authority.

Raymond, the leading lawyer of the place, looked up in surprise, for Mary Anne McGinnes had never been there before.

"Your honor need not think I'm in a quarrel; that is the reason I am here. I do not think my scheme will hurt your business—it will increase it because it is going to bring more firms in and there will be a bigger population. Your property will have a higher value, the schools will be better, there'll be no empty pews in the churches and you'll have to increase your staff to attend to the legal end of the added industries!"



Kathleen (to father who has accidentally broken her pet doll): "Y-you isn't worthy to be a grandpa."

# Lighter Day

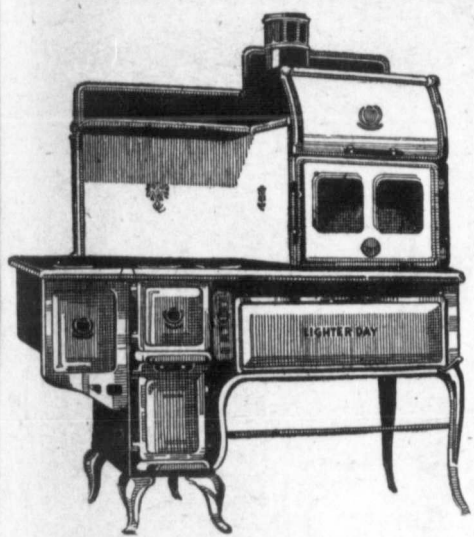
## High Oven

## Coal or Wood

# Range

*Means brighter days in your home*

Start the New Year with Happiness. Set up the old range in the shed and install one of these real labor-savers.



### Lighter Day Features

Do all your baking and cooking without stooping.

Very light on coal and wood—oven heats quickly.

So easy to keep clean—just a damp cloth needed.

Deep, wide top, polished like steel. Ample pot room.

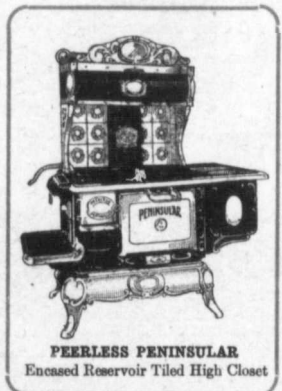
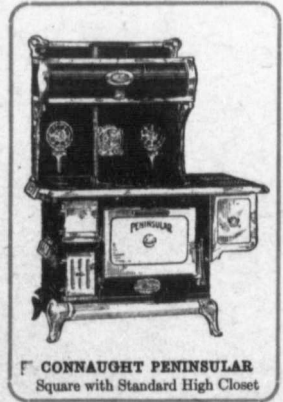
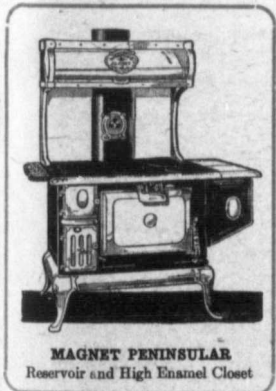
The conveniences in this beautiful range are so many that we ask you to send AT ONCE for our little booklet, "A LIGHTER DAY IN THE KITCHEN," and learn all the interesting details, with illustrations and diagrams.

**D**URING the construction of the Lighter Day, constant attention was given to the vital points a woman needs in a range so that it would give her better service and satisfaction than she has ever known. In the LIGHTER DAY RANGE you will find it lacks nothing that could make for further convenience of economy.

In your kitchen THE LIGHTER DAY will prove a source of satisfaction for years to come. Not an inch of its surface requires black lead, just a damp cloth which will make it bright and clean in a few minutes.

The full heat from the fuel (COAL or WOOD) is used the minute the fire is lit, consequently heating the oven in a far shorter time than usual. The cooking top is wide and deep—plenty of room for pots and pans—and there is a place for these utensils when not in use—right at hand, out of sight. Built to standing height it does away with the wearisome stooping when cooking, cleaning or sweeping.

Made by the makers of Hecla Warm Air Furnaces, Hecla Pipeless Furnace, Adanac Steam and Hot Water Boilers. Hydro-thermic system of Radiation. Full range of Low Oven Stoves. Also makers of Special Heating Apparatus for Churches, Halls or Houses where unusual heating conditions are found.



### Mail the Coupon

We have made it easy for you to find out about Clare-made Ranges. Use the coupon to-night.

**Clare Bros. Western Ltd. Winnipeg, Man.**

CLARE BROS. WESTERN LTD.  
WINNIPEG

Send me booklet, "A Lighter Day in the Kitchen," or Particulars of your low oven ranges.

Name .....

Address .....

C.T. ....



# High Above All Others

In quality of tone, permanence of construction and thoroughness of workmanship, stands

De Olde Firme  
**HEINTZMAN & CO.**  
**PIANO**

This high grade instrument still holds undisputed the place it has made for itself in the musical world.

As this piano is especially built to withstand the Western climate, and handled only through our Factory Branches, you are assured every satisfaction and service.

Although so high above the average instrument in quality, the extra cost is not worth considering, especially in view of the fact that

*We arrange terms to suit you.*

## You have said:

In former years, that next Christmas you would have a phonograph to provide your Christmas music.

The time is short,



## Hear the BRUNSWICK

*To-day*  
and get your instrument in time to provide the music for the Happiest Christmas you Ever Spent

Our stock of Records is unequalled in Western Canada. If you have a phonograph, mail your record orders to us. We fill them the same day as received.

Write our nearest Factory Branch in Saskatchewan for full information and Free Catalog

De Olde Firme

**Heintzman & Co. Limited**  
1865 Scarth Street REGINA      220 Second Avenue SASKATOON      331 Main Street MOOSE JAW

The woman sat down and the muscles of Raymond's face played in wrinkled perplexity. This certainly was a new phase from an unusual client.

Of course, Mary Anne McGinnies never thought of her position as the town washerwoman. She regarded her work in the attitude of one performing honest service.

Raymond, who had been smoking like a benevolent volcano, laid his cigar on the table. Water smarted in his eyes as he listened to her explanation of the Reputation Laundry.

She made the most of the occasion and ended by asking him to draw up the proper papers.

"I'm afraid there will be an exodus," he argued, as she insisted that everyone had to invest in the love industry or leave.

"No, those who question it will be the very one's who need to remain with us," she replied, straightening her hat that had toppled over to one side in her enthusiasm.

"There must be a board of directors, whom everyone guilty of breaking his promissory note shall go. Anyone caught saying an unkind word about another must repeat it to this board. I'm sure if it occurs the second time the offender will not feel at home in our community," she continued.

Raymond, who was a supporter of every progressive idea for the town, promised his assistance and smiled queerly when Mary Anne McGinnies emphasized that his fees would be paid in the currency of the town's gratitude.

The next few days a strange commotion disturbed every little gathering. But in the end the plan took definite form and the birth of true community spirit shone like the Christmas star.

On Christmas morning Mary Anne McGinnies opened the door to Santa Claus, who handed her a letter in a long envelope.

After closing the door she read the following:

Dear Respected Citizen:—We, the undersigned, desire to express our appreciation of your interest in our community. We have succeeded in drawing up the required papers and believe the Citizens' Reputation Laundry is founded on sure security.

As business men we can see great future prospects for our town through your plan. We agree to co-operate to what we feel is for the good of all. Our young men and women shall be safe here and by remaining will increase the value of our home life. The widows shall know the protective banner of respectful courtesy and their place among us shall be honored.

Safe recreation centres for our boys and girls shall be provided with a spirit of good fellowship.

We wish further to express to you our gratitude for the great lesson you have taught us—the dignity of service—as lived by the Christ. Kindly accept this Christmas message. Sincerely,  
Robert Barnes, Mayor.

The signatures following the Mayor's included every man and woman in town.

At the Christmas services in the churches the ministers read to crowded congregations, the papers of the Citizens' Reputation Laundry, as drawn up by Raymond, the attorney, and the spirit of the Christ Child entered every heart in that section on Christmas Day.

### BABY CONTEST

Dear Mothers:—The names of the winners in the Baby Contest will be announced in the January number. Your letters have helped many mothers. We want the kind of experiences you are giving. Will you continue to send in your letters and pictures of your babies to this department until we have room for little else? We want this department helpful to the home. Your particular experience might save the life of another mother's child who might be the premier of Canada some day. Who can fathom the potential possibilities of the child in your home?

Thanking you for your generous response in our contest and wishing every reader a Christmas rich in blessings, I am sincerely, P. R. H.

Kerrobert, Sask.  
Dear Mrs. Hamilton:—I read a number of letters in your paper on the care of babies so decided to write one, hoping it may contain something which will help some mother.

I have one baby girl, Cynthia. She is now nearly fifteen months old. At birth she weighed 8 3/4 pounds, at four months she weighed 16 pounds, and now she weighs 27 pounds.

The first four weeks I just nursed her, then I began feeding her a little soda biscuit or bread scalded with hot water and a little cream or milk and sugar added.

I continued this with nursing for four months. At the end of that time I



DONALD HAMILTON  
Son of Revd. and Mrs. D. S. Hamilton,  
Winnipeg.

waned her, feeding her through the day and giving her a bottle at night. At seven months I quit the bottle and fed her just before going to bed and again first thing in the morning.

I then started feeding her a little potatoes, etc. Now she eats her meals as we do with a piece of bread and butter during the afternoon. She was troubled with constipation when on the bottle, so I gave her castor oil one day followed by "Baby's Own Tablet" the



CYNTHIA HAMILTON  
Daughter of Mr. and Mrs. J. B. Hamilton,  
Kerrobert, Sask.

next, until her bowels moved freely, which usually did with one dose. She had one attack of summer complaint. For this I boiled raisins and gave her the juice of them. For colic I gave her essence of peppermint or cream of tatar, dissolved in water. For a cold I give her a little honey or a small piece of alum dissolved in water. She has eight teeth now. I did not know she was getting any until there were two through. She never cries and has certainly been very little trouble to me.

(Continued on page 76)



**THEY COVER  
THE  
WEST  
FOR YOUR  
PROTECTION**

IT PAYS TO ORDER BY MAIL

**EATON'S**  
MID-WINTER  
1919 SALE 1920

SALE ENDS FEB. 20

THE T. EATON CO. LIMITED  
WINNIPEG CANADA

**IT PAYS TO ORDER BY MAIL**

Thrifty buyers from thousands of farms and homes in the Canadian West realize that it pays to order by mail, and especially when **THE EATON SALE BOOK** makes its semi-annual appearance.

With prices mounting daily in almost every necessity of life the secret of buying right is buying big, and the **EATON** organization takes pride in its power to buy in unlimited quantities, and from every source from which merchandise is procurable.

When you thumb the pages of this wonder-book of values, you will not only be surprised but delighted at what is to be found between its covers.

**JUST FOR AN INSTANCE**

On page six is illustrated and described an All-wool Jersey Cloth Skirt at \$6.95. Indeed a bargain, as most any woman will agree.

Just one, however, of the thousand odd, and it makes no difference on which page the book is opened before you, a bargain is there of vital interest to some member of the family.

**THE MAILING DATE IS ABOUT DEC. 15<sup>TH</sup>**

If your copy does not arrive in due time after the above date, be sure and send for one. A Post Card is all that is needed, giving clearly your name and address.

**THE T. EATON CO. LIMITED CANADA**  
WINNIPEG

# Greetings

The Plant  
behind Drewry  
products



**A Suggestion**

To those who for health or other reasons formerly used our full strength American Style Rice Beer, Redwood (Malt) Lager, Extra Stout or Refined Ale (which may now be obtained only on a doctor's prescription) we would suggest a trial of Maltum or Maltum Stout, which contain all the healthful properties of choicest malt and hops, but are non-intoxicating.

Order from your grocer, druggist, confectioner, or direct

**E. L. Drewry, Ltd., Winnipeg**

# Maltum Stout

More than A Drink

your grocer or direct

E. L. Drewry, Ltd., Winnipeg



# SASKATCHEWAN

Farmers object very strongly to advice on how to conduct their own business from persons who are not qualified by experience or expert knowledge to give this advice, but the modern progressive farmer is anxious to make use of information from trained specialists who have devoted the greater part of their lives to studying some one branch or line of agriculture.

With the view of making more accessible to the average farmer the results of thousands of experiments in the cultivation of land, the selection of seed, the care and feeding of farm animals and related problems, the Department of Agriculture of the Government of Saskatchewan has a large number of bulletins prepared for general distribution dealing with every phase of Better Farming. These bulletins have been prepared by men who are recognised as authorities in the particular branch of agriculture to which they have devoted years of study and experiment. At the Agricultural College Farm in connection with the University of Saskatchewan at Saskatoon some very important experiments have been carried on for a number of years, and experiments in stock feeding and in poultry production have been carried on which are certain to be the greatest value to the farmers of the province. The professors who have been conducting these experiments are men whose scientific knowledge of the various branches of agriculture to which they have devoted years of study is supplemented with the experience of the leading farmers of the province, and the bulletins prepared deal in the most practical manner with the problems affecting agriculture in Saskatchewan.

The following is a list of bulletins which can be secured free on application:

## Dairy and Poultry

- No. 15, Creamery (English, Russian and German).
- No. 43, Variations in Cream Tests.
- No. 30, Grading of Cream: Address by W. A. Wilson.
- No. 25, Fleshing Chickens for Market.
- How to Kill and Dry Pluck Poultry.
- Suggestions on Housing and Feeding Poultry.

## Live Stock

- Feeding and Care of Work Horses.
- Animal Husbandry Circular No. 2.
- No. 45, Live Stock on Credit Terms (French and German).
- Hog Cholera.
- Blackleg.
- Killing and Dressing Pork, and Curing Beef.
- Breeding and Management of Swine.
- Horse Breeding in Saskatchewan.
- Care, Feeding and Management of Beef Cattle.

## Weeds and Seeds

- No. 57, Weeds: their Identification and Control.
- No. 44, Explanation of the Noxious Weed Act.
- No. 48, Problems of Crop Production.
- Seed Grain Treatment and Seeding, Circular No. 2.
- Corn Growing in Saskatchewan.

## Miscellaneous

- Plows and Plowing.
- Bracing of Wire Fences.
- Farm Machinery.
- Plans and Suggestions for Farm Barn.
- How Debtors and Creditors May Co-operate.

- No. 47, Cheaper Money for Saskatchewan Farmers (in English, French, Ruthenian and German).
- No. 44, Saskatchewan Laws Affecting Women.
- Map of the Province of Saskatchewan.
- Cereal Map of the Province of Saskatchewan.
- Canada West.
- Domestic Science Circular No. 2.
- Home Beautification.
- Knotty Problems.
- Rope Knots and Hitches.
- Better Belt Lacing.

## Co-operative Organization

- No. 42, Co-operative Crop Production.
- Explanation of the Agric. Co-operative Assoc. Act.

## Field Husbandry

- Field Husbandry Circular No. 7.
- Tillage of Stubble Land.
- Sweet Clover.
- Winter Rye (in English and German).
- Profitable Crops on the Drier Lands of Saskatchewan.
- No. 52, Lessons from the Rust Epidemic of 1916.
- The Value of Rusted and Shrunken Wheat for Seed.
- Alfalfa in Saskatchewan.
- Potato Growing in Saskatchewan.
- No. 42, Hints to Flax Growers.
- Farm Forestry and Horticulture.
- Tillage Methods Circular No. 1.
- Hay and Pasture Crops.
- Summerfallow, Circulars No. 2 and 6.
- Tillage of Prairie Sod.
- Gardening in Saskatchewan.

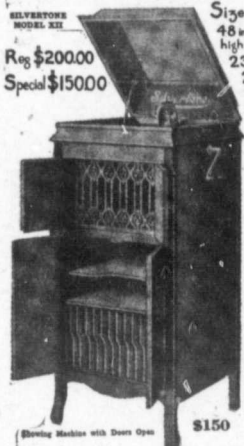
DEPARTMENT OF AGRICULTURE  
REGINA - - - SASKATCHEWAN

# Xmas Music For Your Home

## MODEL XII SILVERTONE PHONOGRAPH DE LUXE

A SUPERB PLAYER AND BEAUTIFULLY DESIGNED, Mahogany or Oak

\$5.00 cash will put this machine in your home on Free Trial. 20 SELECTIONS FREE With Each Machine.



Reg \$200.00  
Special \$150.00

Size 48 in. high by 25 X Phonograph 21 in. De Luxe

Mahogany or Oak Finish

Here we have a Mahogany Silvertone Model XII Phonograph with its resonant sound chamber, beautiful in appearance and perfect motor. A phonograph of the highest quality of workmanship and finish. One which will please the most exacting, and one that you will proud to show to your friends.

OUR BROAD GUARANTEE AND TRIAL OFFER.—We guarantee the MODEL XII SILVERTONE to be equal in appearance, volume of tone and volume of sound to any phonograph or talking machine selling for \$200.00. You may order the SILVERTONE phonograph and give it a week, two weeks or month—in your home, for only show where a phonograph may be truly tested. Then if you do not want it, send it back to us and we will return your money and pay all freight charges outside.

You can have either mahogany or oak finish, both of which are highly polished by hand, bringing out the richness of the grain of the wood. Send us \$5.00 to show good faith and we will ship freight PREPAID on two weeks' free trial MODEL XII SILVERTONE PHONOGRAPH. This should demonstrate to you the degree of confidence that we have in these Phonographs. If the machine is not in every way satisfactory to you (you to be the sole judge) return the machine to us freight collect and your \$5.00 will be promptly refunded. (We will stand freight charges both ways.) If you like it and decide to keep it send us \$10.00 and I can \$10.00 monthly until full price of the machine is paid.

The Special Silvertone Arm and Reproducer will play any make of records. No parts to detach to effect the change of one record to the other.  
Special large motor will play four records with one winding. Absolutely guaranteed in every particular.  
Special combination grille and door front so can be easily seen in the picture. This makes the machine very attractive looking, for with the doors open you have a beautiful grille front before you.  
MODEL XII SILVERTONE PHONOGRAPH \$150.00  
Cash paid

25 Records (50 Selections) with this Offer if All Cash is Paid

### H. R. HAWKEY & CO.

128 Princess St.

Winnipeg, Man.



## Largest Range of RECORDS in Western Canada

OUR Phonograph Record Mail Order Department makes it possible for you to keep in touch with all the world's latest music. From catalogues of any of these standard makes of records you may choose latest selections, and rely on our shipping them promptly and carefully packed on receipt of your order. No longer any reason why your record collection should be limited to the few numbers stocked by your local dealer. Any record in any of these catalogues can reach you in a few days.

Let us supply you with latest record catalogues if you are not already receiving the same.

Orders from \$3.00 upwards carrying charges free

Some of this Month's Best Records

I'm Forever Blowing Bubbles  
Opera at Pumpkin Centre  
Mickey  
Beautiful Ohio  
Ho Ya Gonna Keep 'Em Down on the Farm  
Rose of No-Man's Land  
Hawaiian Nights Waltz  
Wee Hoosie "Mang the Heather

NOTE—When ordering specify what make of machine you have.



WINNIPEG PLANO CO 333 PORTAGE AVE

(Continued from page 72)

I will send a picture of her later as I haven't got a good one just now. I will close now, hoping to see my letter in print and wishing all mothers every success. Yours sincerely—Mrs. J. B. Hamilton.

Masinasin, Alta.

Dear Mrs. Hamilton and Readers:—Noting your request for letters from mothers, I am passing on my bit of experience in the oft-times vexing problem, the baby business. I have five children, all boys. The first two were breast fed until old enough to wean, but owing to the failure of the natural milk supply between the third and fourth months, artificial feeding had to take the place of the natural in the rearing of the last three.

My last baby is eleven months old. He was born November 28th, 1918 and weighed 8 pounds at birth. He is 27 inches high, 22 inches around chest and weighs 20 pounds at the present time. The enclosed snap was taken two weeks ago. He doesn't walk yet, just slides around, therefore the overalls. It is hard to keep him from collecting a good deal of dirt due to his means of locomotion.

As I stated before, he has been bottle-fed since four months old. At that time he became very constipated, due to lack of fat in, and failing supply of natural food. I began giving a teaspoonful of cream before each breast feeding. He soon became accustomed to the cream and as the need arose I substituted a four ounce nursing from the bottle for a breast feeding.

Cow's milk alone was as constipating as mine had been, therefore, drawing from experience gained with a previous baby I prepared two parts boiled water, one part cream and from three to four ounces rolled out jelly.

I have always fed my babies at regular intervals with measured feedings. When I began with the bottle, the feedings were four ounces every three hours. The baby soon began to gain in weight and though he had always been good natured I noticed an improvement in his disposition, as well as his general health.

Oatmeal jelly is better than medicine as a laxative, but if physic must be given, a teaspoonful of milk of magnesia is the best I have found yet. Add it to the regular nursing and it is readily taken.

When baby was six months old he had a very severe attack of erysipelas and for ten days we had a serious time of it. I've no idea yet where or how he contracted the disease. It's the first case I ever saw, either acute or chronic. The doctor prescribed the white of an egg beaten slightly in water and given at regular intervals, instead of his ordinary diet. This kept his stomach and bowels in good condition. When the fever began to abate his regular food was gradually returned to.

His first two teeth came through while he was so sick. He has cut four since with no trouble. After his illness he steadily gained in weight. I substituted one part milk for one of water in his food and as the hot weather came on I decreased the amount of oatmeal jelly leaving it out altogether through the summer as it furnished more heat than he needed.

From the time of his recovery on, he received 6 ounces every four hours, except at night. He came through the summer, in spite of the dreadful heat, without trouble of any kind. In September he had an attack of diarrhoea. I gave a dose of castor oil, put him on the egg and water diet for a day or two, and so ended that.

At the present time he nurses 6 ounces of milk, cream and boiled water, equal parts, three times a day. He is beginning to eat such foods as well cooked cereals, warm bread and milk, rice, tapioca and milk puddings, fruit juices and buttered crusts. Now that cold weather has come, so that we can keep fresh meat, beef juice will be added to the other foods.

I have trained him to use the toilet since he began sitting alone and that saves me a bit of washing. He is

outside a good deal in fair weather and the house is well ventilated at all times. He sleeps good at night and is one of the happiest babies imaginable. I have never had any trouble with him over the amount given at each feeding. He never takes over 6 ounces at a time, even though he goes five hours between



HELEN SHIELDS  
Daughter of Mr. and Mrs. W. C. Shields,  
Masinasin, Alta.

meals. I always prepare enough milk for the day in a glass-covered sealer. Keep in a cool place and warm slightly the amount needed when put in the nursing bottle. Bottles and nipples are kept clean and well scalded.

I have learned that regular feedings, either with breast or bottle, with measured amounts, food that agrees with the baby, plenty of fresh air and cleanliness, are the requisites to a healthy baby. Handle him and everything pertaining to him with practical common sense.

No one need be ignorant these days, even though they are inexperienced. One must experiment to some extent with the first but one need not experiment foolishly. There is always something new to be learned by any of us. If baby suffers from constipation, find something better for the trouble than constant doses of castoria, etc. Give a little cereal jelly, cream and water from a bottle, along with the breast, if necessary.

For colic, give an ounce or so of warm water, a drop of peppermint or a little steeped catnip tea are good too. Accustom the baby to a rubber nipple early in life, it may save a great deal of trouble later on.

Barley water is very good for severe cases of diarrhoea. Don't forget that baby likes a drink of fresh water occasionally. Don't worry if you live miles from a doctor. Many of us do, but if one will read and follow the directions doctors have written for baby's care, the baby business need not be such a terror or a bugbear.

I will close with my recipe for oatmeal jelly and trust it will help others as it has helped me and mine. Put two rounding tablespoonfuls of rolled oats in a double boiler. Add a pinch of salt and one pint of hot water. Cook three hours, strain through a sieve. If jelly is too thick to strain freely, add hot water enough to run it through sieve. Sincerely yours—Mrs. W. C. Shields.

Bulyea, Sask.

Dear Mrs. Hamilton:—Seeing so many helpful letters in the paper I thought maybe my little experience with a dear little baby might help someone. I am only young and my first baby, but he is fine and, of course, we are very proud of him.

He weighed about 6 pounds at birth and was born with a healthy, hearty appetite. It was a problem not to overfeed him for he seemed hungry all the time, but I nursed him nearly at the regular hours every two hours, when a month, till about three months, then once every three hours, at four months



HOTEL VANCOUVER, VANCOUVER, B.C.



# WINTER - WHERE

THE CLIMATE IS MODERATE

ENJOY THE BIG OUTDOORS AND SUMMER PASTIMES

RIDE - MOTOR - GOLF  
AT  
**VANCOUVER - VICTORIA**  
SEE THE  
**CANADIAN PACIFIC ROCKIES**

CHOICE OF THREE TRAINS DAILY INCLUDING

THE FAST ALL-SLEEPING CAR TRAIN

**"TRANS-CANADA LIMITED"**

THIS SEASON EXTEND THE TRIP TO **CALIFORNIA**

For Full Information, Reservations, Etc. Ask any Agent of

"THE WORLD'S GREATEST HIGHWAY"



EMPRESS HOTEL, VICTORIA, B.C.



about every four hours, or nearly that. He gained right along until I got the flu, so had to wean him. We got Nestle's Food and a bottle, which he took to without a bit of trouble, in fact, he seemed more content and satisfied than when I nursed him. We fed him Nestle's till he was ten months old, then I changed to cows' milk as he was always constipated and I thought the change might help him. It agreed with him fine and I am still giving him whole milk.

I had a lot of trouble with him being so constipated, although he had plenty of water and orange juice. I found that to put cream in the milk helped a bit; also to take one teaspoonful of flaxseed and pour about half a cup of boiling water on it with a bit of warm sugar and lemon juice. I let it stand till cool and gave it to him from a spoon or bottle, whichever was the easiest for him. That helped fine, also cascara—the plain cascara that is pure. I gave him about a teaspoonful every night for about a month. He never got too loose, although some babies would not need that amount. There again the mother must use her own judgment, but now my baby is fine, hardly ever give him any medicine for that at all. Plenty of fresh water and he eats quite a lot of apple and fruit.

When he was eight months old he got a cold. He caught it from us as we all seemed to get a sore throat and a cold. It settled in the bronchial tubes and he could not breathe. The doctor said to put mustard poultices on but they did not seem to help, then we went back to an old-fashioned remedy



IRWIN D. MYERS  
Son of Mr. and Mrs. R. Myers, Bulwer, Sask.

of taking onions, frying them till soft, in goose grease, and put them on (as a poultice) as warm as he could stand them, on his neck and chest and at his feet and I can truly say it saved his life.

We did that two or three times during the day and by night he could breathe all right. He slept then and was soon all right again and I have never seen the least sign of bronchitis. He has only had one little cold in his head since then. He is now seventeen months old. About bathing. I found it so much

easier and nicer to dress and fix him up to lay a pad on the table with a large bath towel on, and when you have him washed lay him on the towel. Have things ready beside you and it is lots the nicest way.

I am sending you a picture of my boy. We call him Irwin. He weighs 27½ pounds, is 29½ inches in height, measures 22 inches in the chest and is walking and running all over the house. He does not say any words, only baby chatter, of course, but he knows nearly everything you tell him to do. He has six teeth but was late in cutting, being thirteen months before the first one showed up, but they never made him sick or cross at all, having come through before we knew anything about them.

When a tiny baby I used to rub him with olive oil quite often. It is very strengthening and the rubbing is good for baby, too.

He never had colic very much, but a wee bit of warm water helps, with a little peppermint sometimes if it is severe. I never rocked him to sleep. I was too busy when he was small, and I have been glad since that I was for he goes to bed so good, never looking to be rocked. He sleeps good at night. I put him to bed about half past six or seven and he generally sleeps through till five or six in the morning. He believes in "tearly to bed and early to rise," and it seems to be true in his case, for he is as healthy as can be. Well, I am afraid I have taken too much room up in your paper but hope it will help someone. Also to give my boy a chance for the prize baby. Yours sincerely—Mrs. S. R. Myers.

**OVERCHARGED**  
The attorney for the gas company was making a popular address.

"Think of the good the gas company has done!" he cried. "If I were permitted a pun, I would say, in the words of the immortal poet, 'Honor the Light Brigade!'"

Voice of a consumer from the audience: "Oh, what a charge they made!"



"The Madonna of the Immigrant."

## At Christmas Time

—the time of charity and goodwill—it is well to bear in mind that true charity "begins at home."

No form of beneficence can be so far-reaching in its effects as the provision of Life Insurance. It is "the living pledge of a deathless love."

The Automatic Endowment Policy of The Great-West Life Assurance Company offers ideal insurance. Protection is secured at lowest rates, yet the payment of lifelong premiums is avoided. An Endowment is secured, yet without the heavy cost of the regular Endowment Plan.

Take advantage of the leisure of the Christmas Season to look into this vital question of Life Insurance. Your request for information will have prompt attention, without undue solicitation to insure.



## The Great-West Life Assurance Company

DEPT. "U"

Head Office: Winnipeg, Man.

## Short Courses Opening at Manitoba Agricultural College

Jan. 6, 1920, Poultry · Mar. 4, 1920, Engineering

### POULTRY SHORT COURSE

This Course is suited to the farmer, the poultry raiser, the breeder, the fancier, and the backyard poultrykeeper.

Both men and women may enter this Course, also boys and girls over 16 years of age.

Tuition Fee \$20

A list of suitable rooms in the city will be available in the President's office for those who register from outside the city; only 60 can be accepted.

### FARM ENGINEERING COURSE

Covers gas engine work, steam engine, boilers, forge work, farm mechanics, babbitting, belt lacing, harness repair, balancing pulleys, etc. Concrete construction. Separators, plows.

Principles of ignition.

Applicants must be at least 18 years of age.

Fees: Manitoba Students, \$30. Non-resident, \$35.

Maximum number, 80. 40 can be accommodated in residence.

Correspondence Courses are now open. Write for full particulars. Send application before December 15th for either Poultry or Engineering Course.

J. B. REYNOLDS, President. G. A. SPROULE, Registrar

## Our Young Folks

### CHRISTMAS OUTFITS FOR CRIPPLED CHILDREN

By Florence Scott Bernard

THE Altruistic Class made many crippled children at the Charity Hospital very happy last Christmas and their plan is worth repeating. A huge Christmas tree was sent which was set up in the center of the ward. Then a box was packed for each child, with directions for making various ornaments for the tree. The children took special delight in making the things themselves and were glad to have something to occupy their time. On Christmas Eve, they watched the nurses trim the tree with these ornaments.

Each outfit contained two pots of library paste, one sheet each of red, green, white, silver, and gold mounting paper from which to cut strips for paper garlands and to make stars and other figures, bits of thread and mica-covered cotton, a star pattern, crepe paper and tinsel to make paper dolls and cornucopias, boxes to be covered with flowered wall paper to hold the candies, pieces of gay tulle with skeins of red and green yarn for stockings (pieces of old lace curtains may also be used for these), acorns and pine cones with pots of gold paint, and boxes of cranberries and pop corn to be strung. Bits of silk, ribbon, and lace from the scrap bags were also included; and from these materials, the children had a merry time designing and making little gifts for each other.

### A CHRISTMAS DINNER IN STOCKINGS

A CLASS of girls had agreed to furnish Christmas dinners for a number of families.

"It seems so common to take the things around in paper bags," said one of the girls. "Can't we think of some new way?"

They did, a splendid new way. They bought unbleached muslin and made stockings large enough to hold a dinner's worth. The heels and toes were made of bright red calico and the top was finished with a drawing.

Before the stockings were sewed up, they were pretty well covered with pictures of kewpies, reindeer, fairies, stars, Christmas trees, winter scenes. These pictures had been cut from magazines and the outline traced on the muslin. With pen and ink, the outline was strengthened and lines added as necessary. India ink is better than common writing fluid for this purpose. The stockings were pretty well covered with these decorations.

A card bearing the name of the class and this verse was attached to the drawing:

Christmas wishes and Christmas food,  
The wishes sincere, and the food we hope good.

The pictures are extra, the stockings are, too.

They all simply mean that we're thinking of you.

### THE TOWN OF DON'T-YOU-WORRY

THERE'S a town called Don't-you-worry.

On the banks of river Smile,  
Where the Cheer-up and Be-happy  
Blossoms sweetly all the while,  
Where the never-grumble flower  
Blooms beside the fragrant Try,  
And the Ne'er-give-up and Patience  
Point their faces to the sky.

In the valley of contentment,  
In the province of I-will,  
You will find this lovely city.

At the foot of No-fret hill,  
There are thoroughfares delightful  
In this very charming town.

And on every side are shade trees  
Named the Very-seldom-frown.

Rustic benches, quite enticing  
You'll find scattered here and there;  
And to each a vine is clinging

Called the Frequent-earnest-prayer.  
Everybody there is happy,  
And is singing all the while

In the town of Don't-you-worry,  
On the banks of river Smile.

—St. Stevens' Herald

### THREE GATES OF GOLD

If you are tempted to reveal  
A tale some one to you has told  
About another, make it pass  
Before you speak, three gates of gold.

Three narrow gates—first, "Is it true?"  
Then, "Is it useful?" In your mind  
Give truthful answer, and the next  
Is last and narrowest, "Is it kind?"

Dear Boys and Girls:—The following letters are a credit to any Boys' and Girls' Department. Cousin Doris is pleased to learn of so much joy and industry among our readers. We want a whole department of letters for the next issue about this subject: "A Winter Day at Our Home."

Wishing every one of you a glorious Xmas, I am, sincerely, Cousin Doris.

### BOY'S PRIZE LETTER

Mannville, Alta.

Dear Cousin Doris:—I live on a farm about thirteen miles northeast of town. I go to school every day, about one and three-quarter miles, and in spite of the flu I made two grades this year V. and VI. I am now in grade VII. We have three little colts, four calves, 18 pigs and about one hundred little chickens.

I am now going to tell you about a pet porcupine we had last summer.



THE CITY COUSIN

"Mummy, I can't understand about that cow. When I tried to milk it just now there wasn't any in it."

The fall before we found the small porcupine one of the dogs came up with his mouth full of quills. We had to put him under ether to pull them out. The dog wouldn't have anything to do with the man afterwards that pulled the quills out of his mouth.

In the spring we found a baby porcupine up a dead tree; it was about as big as your two fists. My brother knocked it down and took the lace out of his boot, tied it to the porcupine's leg, while my sister held it down with a stick. Then we tied the lace to a stick and carried it about a half a mile to the house. All we could see of it for about a week was a ball that had the point of pins and needles sticking out of it.

One evening we got it out of its box, and it started to climb up my father's leg; he wasn't very anxious for it to do so. I, just for fun, went in and got it some milk and bread. It would drink for a while and then eat some. We were surprised that it would eat the bread and milk because we couldn't get it to eat any grass or drink any water. It put its nose down in and drank like a cow or horse instead of lapping it up like a dog or cat.

We kept it for a long time. It got so tame it would follow us everywhere. It would eat out of a spoon, and walk on its hind legs. We named it Porky, and whenever we called him he would come, and as he was coming it would keep making a funny little noise; it would cry like a pup whines. Whenever we got it angry it would waddle away just like a baby does when it gets angry and tries to run away.

Porky also knew when the table was laid for a meal; we had to leave the chairs away from the table till we were ready to sit down, or it would climb on the chair and then on the table, and just help himself.

When we got it, it was black, with a few white hairs. On its back was a place that didn't have anything on it but quills. When it was angry or was startled it would curl up and all you could see was a ball covered with quills. Its feet were like hands, without the thumbs, but had long claws. It also had a pug nose, and very large nostrils, and ears that looked like they had been cut off, with long hairs on the ends. Before it disappeared, if you saw it at the distance you would think it was a bunch of dried grass for it was a tan color. Porky disappeared one day we were away from home, and we miss it very much.

Hoping to see this letter in print, I wish you and all the members the very best of success.—Fern E. Townsend (age 12).

GIRL'S PRIZE LETTER

Dear Cousin Doris:—My mother takes your paper although we are not farmers. She gets a lot of help from the women's page. In last month's paper you asked the boys and girls to try again for a prize for the best letters, so I am going to try for the first time in my life. I will tell you about my trip to Brandon Fair. It was my first time even to Brandon. My birthday was coming soon and instead of a party this year my parents gave me this treat and five dollars to spend. As they were not going a lady kindly took me. We left very early in the morning and did not get home till the middle of the night, or 3 o'clock in the morning! Mother says that is very Irish—we are Irish anyway. I hardly know what interested me most as everything was new to me even the street cars. Before we went down to the fair grounds we saw a big Indian procession coming along the street. The squaws carried palm trees and ride on big white horses. The men had great big feathers all around their heads, the horses also were decorated with them. The men were all shouting the war-whoop. We then took a street car and went down to the fair ground. The first thing I did was to go on the merry-go-round. It was just fine. I was near on one before. I saw the smallest man and woman in the world. There was a fat girl, nineteen years' old, who weighed over seven hundred pounds. In the afternoon we went up on the Grand



The Season's Greetings

are extended to the readers of Canadian-Thresherman and Farmer thousands of whom are Policyholders in The Manufacturers Life Insurance Company.

The year just closing has been one of unprecedented success. Not only has the new business been greatly in excess of that of any previous year, but the payments to Policyholders by way of dividends and maturities have broken all previous records.

Thirty-two festive seasons have come and gone since The Manufacturers Life was first incorporated. The Manufacturers Life is now more than a Life Insurance Company. It is a national institution, built on service to its Policyholders.

Although the season is one of gladness, we are not unmindful of the fact that many homes would to-day be bereft of any comforts had it not been for the wisdom of the head of the family in carrying adequate insurance in The Manufacturers Life.

At some future date, there is going to be a vacant chair at your family table. The wants of the season will be the same then as now. Are you going to ensure these comforts to those dependent on you, or leave the matter to chance? You can provide for your loved ones in a better way than by a Monthly Income Policy with The Manufacturers Life.

The Manufacturers Life Insurance Company

HEAD OFFICE - TORONTO, CANADA

Without obligation, will you kindly furnish me with full particulars of your Guaranteed Policies. I am ..... years of age, and am (Married / Single).

Name Address

All Free! SIX LOVELY DOLLS AND THE MOST WONDERFUL DOLL VILLAGE YOU HAVE EVER SEEN—OVER 60 PIECES IN THIS GRAND OUTFIT FOR GIRLS



GIRLS—You have never seen anything in your lives to compare with this marvelous Doll outfit. Nothing was ever made from which you could derive so much fun and amusement. Just think—not only do we give you all of these famous and beautiful Baby Dolls, but we give you with them the complete DOLL VILLAGE consisting of five beautiful big doll houses, a grand Doll's School, a lovely big Church for the Dolls to go to on Sunday, and a play Nursery for Dollies to garden in. And that isn't all, girls—we send you also the complete set for arranging the doll's village and over 27 beautifully colored out fits for it, consisting of horses and carriages, dogs, cows, flowers, trees, fences, etc., etc., all with real metal stands for looms, and everything else you could think of to make you the most wonderful and beautiful Doll Village you could think of. You will be the envy of all your friends when you get this marvelous outfit. GIRLS—We are giving you all these wonderful prizes free to introduce "Dollies," our delightful New Cream Candy Coated Breath Perfume. Just send your name and address to-day and we will send you Free a big sample package to try yourself and with it just 25 big handsome packages to introduce among your friends at only 10c each. Open your sample package and ask all your friends to try a "Dollie." They'll like them so much that everyone will buy a couple of packages at once. Just one or two little "Dollies" instantly sweeten the breath, purify the mouth, and they are irresistibly delicious. You'll sell them all in an hour. It is easy. Then return our money only \$2.50, and we will immediately send you this complete outfit just as shown above—and all 27 other pieces to arrange the pretty village. Moreover, we will pay all delivery charges. Write to-day, girls. Don't lose a minute! Address: GOLD DOLL MFG. CO., Dept. V 38 Toronto, Ont.

stand and it was there we saw the best things. There were acrobats, Japanese jugglers, the circus, a nurse sang, and an aeroplane went up. I was a rry I did not hear Sousa's band, but it was not there that day. I could tell you a great lot more but my letter is very long already, and I would like to say something of my work and aims in life. I hope to try my entrance next year.

My mother teaches me music, and I play in Sunday school now. I had a very enjoyable week learning to sew last week at the girls' club, under Miss Senior; I made a pretty night-gown. I hope to take my teachers' course at school first, so I can help my brothers and sisters to get through too. I am the eldest of five, and only the youngest was born in Canada. My great ambition is to travel

sometime back to Ireland to see my aunts and uncles, one aunt is just my own age. I had two uncles, lieutenants, at the war, in Irish regiments. One was at the capture of Jerusalem. He is not home yet. I hope I have not taken up too much room to get my letter printed. With best wishes, from your new little Irish cousin.—Margaret (Pixie) Irwin, age 11.

## Let Us Have a Real Old Fashioned Merry Xmas This Year



Make your family and friends happy by giving useful presents. Nothing is more acceptable than a nice Sweater or pair of good Gloves. A few suggestions are: Up-to-date Ladies' Sweater Coats, Ladies' and Misses' Slip-ons, Men's and Boys' Sweaters, Work or Dress Mitts and Gloves for Men and Boys, or Moccasins or Slippers to fit the family. And, of course, these will be more acceptable and give better satisfaction if they bear the well known



SOLD AT ALL GOOD STORES

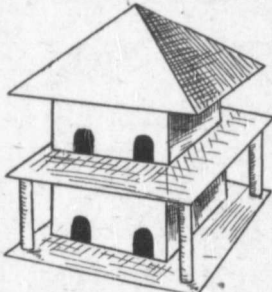
## Northland Knitting Company, Limited

Manufacturers of SWEATERS, MITTS, GLOVES and MOCCASINS

WINNIPEG, Manitoba

**HONOURABLE MENTION**

Webb, Sask  
Dear Cousin Doris:—I thought I would like to join the young folks department. We live in a country by a river where there are trees and many birds. I think every boy should make a bird house for the birds. I made a bird house last summer, it was two stories high, two rooms upstairs, and two rooms down.



I painted it green and white. I am sending you a drawing of it. The name of our school is Cedar View; we live three miles from it. We only have school in the summer. I am in the fourth grade. Last August there was a school exhibition, six schools took part in it. They gave prizes for all school work, and other prizes also. I took my birdhouse to the exhibition, and took first prize. I couldn't find a plan of a bird house. So I made my own plan, and I copied the picture from the bird house. My father lets me plant potatoes enough every year to buy my own clothes. I think every father should let his boys handle money to learn the value of it. I will close now as I have nothing more to say.—Robert Downing, age 13.

Robert, you are the type of boy we need in Canada. Your bird house shows practical and ingenious talent. I think, too, every boy should have a way of

earning money at home. You are fortunate.—C. D.

Neudorf, Sask.  
Dear Cousin Doris:—This is my second letter to your interesting club. I wrote once before and saw my letter in print. I have written to three or four clubs, but never saw my letters in print before. I go to school and am in grade six. I had a garden at school. This is how I sowed my garden. I sowed carrots, radishes, turnips, peas, potatoes and lettuce. First, a man came to school and plowed the garden, then we measured a plot ten feet long and marked it off for each one. Then I hoed the ground over and took the big lumps out. Then I raked it over and took the weeds out. Then I took a thin stick and made rows about one inch deep. I sowed my carrots, radishes, turnips, lettuce and peas in each row. Then I covered them over with my rake. I next dug six holes about one yard apart. I cut my potatoes so there will be two eyes in each piece. Then I put them in the holes and covered them over. That is all I put in my garden. I am not going to school any more so I gave my garden to my sister. When I went to school last year our teacher gave us stars for doing our work well. We got them for spelling, arithmetic, grammar, composition and for not talking. Every time we got six orange colored stars we got a red one. At the end of the month the one who had the most red stars got a prize. I won the first two prizes, then I left school. I got a red ribbon one and a half yards long, for the first month. Then I got a book for the second month. The name of the book is The Girl of the Limberlost. It was a hard job at first to sit and work all day without saying one word. If you said one word it would not matter. But if you said two words you lost your star. I think that is a good way because everyone will work hard to get a star, and not talk so the teacher will have a little peace. I think that I had better end my letter for I will leave no room for other members. Wishing Cousin

Doris and all the members good luck.—Rosalind Sedgwick.  
I am glad your teacher gave you The Girl of the Limber Lost.—C. D.

Forestberg, Alta.  
Dear Cousin Doris:—In the Canadian Thresherman and Farmer I found the reward offered for the best letter to both boys and girls. So I thought I would try as my father is taking this paper. I do not go to school now I am helping my mother at home. I am just staying for a few weeks. At school I am in grade VII and I do some grade VI and VII subjects. Our teacher lives in a small house on the school grounds. At school we play base-ball, basket-ball, and football.

We live on a farm two and a half miles from town. We have sixty head of cattle and twelve horses. We turned two mares and three colts in the pasture, and one day we noticed that one of the mares had died. She was no good for work because she was sick most of the time. We have about 15 hens. Some days we get fifty eggs, we have some pure bred leghorns and the rest are mixed.

Dad bought a new tractor, it is an Emerson 12-20 h.p.  
We have a separator with our big engine to thresh grain with. We have an Overland car; it rides very easy. We had a Ford before this one.

We have an electric plant it is the DeLco, we like it fine.  
We had some lightning rods put on our house and barn yesterday. We have a great big barn, the birds build their nests right at the top of it inside.—Viola Albrecht.

Georgetown, Ont.  
Dear Cousin Doris:—May I, a humble Easterner, intrude upon your delightful page? As there seems to be no notice upon your "door" warning "Easterners keep out," I will venture this letter.

Shall I tell you about my trip "West." It was the most delightful experience in my life, I can assure you. We started one hot day in July and travelled all

day in a hot, dusty, dirty train. You cannot imagine what a relief it was to step on board the big boat at Port McNickell. We spent a wonderful weekend on the Great Lakes. Such air! Such water! Such meals! Such excitement going through the Soo Locks. I almost held my breath the whole time.

The next eventful hour we spent was arriving in Winnipeg. We stayed there five days and saw all the sights to be seen. Although the prairies would be very monotonous to live on, I should imagine, our three days spent in a tiny village in southern Saskatchewan were very eventful. We rode seventy miles in a "bivver," in order to reach it, and such a ride. Why they didn't even have roads to ride on. We just went



"I'll just have a look myself and see if mother is bringing me up in the way I ought to go."

bumpy-bump over the rough fields. I honestly thought there would not be a tiny atom of me left at the end of our journey. But there was almost as much as when we started. How I did enjoy those three short days. We did everything imaginable, from berrying to sliding down hay-stacks.

After an uneventful journey to Calgary we changed trains and arrived at Edmonton where we spent a month. Edmonton seems a rather lifeless place, with its scarcity of trees, after Ontario. But I can vouch for the good times they gave one there.

I received the surprise of my young life when we came to Banff. I just gasped. We were surrounded on all sides by towering mountains.

"Far off three mountain-tops,  
Three silent pinnacles of aged snow,  
Stood sunset flushed."

After spending the most delightful time I had in my whole journey, at Banff, climbing mountains and going for drives, we passed on to Lake Louise where we stayed at the beautiful C.P.R. Chateau. Loathing to leave but anxious to see the rest of the sights on our journey, we passed on to Vancouver.

We then ended our journey by crossing to Victoria on a large steamer. How sorry I was that we had reached our destination, but when I thought of the wonderful return trip ahead of me my heart was cheered.—Your new friend, Alice Creetman.

No, Alice, the prairies are wonderful environment for homes. They make people see the bigness of life.—C. D.

Ardley, Sask.

Dear Cousin Doris:—Well I have often read the Canadian Thresherman and Farmer, and I have often thought of writing to see how my luck is.

I am a Lone Scout; I have just joined them, and I found it very interesting to join them as it teaches one a lot of interesting things that are useful to a person. Some of the things it learns is to be able to tell poison ivy when I get poisoned by it and it also teaches me how to chop, how to put up a tent myself, and how to put up a shelter if you get lost, so I guess you'll quite agree with me that it's useful.

Well, last fall my brothers and I, as we own a threshing machine, were threshing around the district; we got home November 5th, then influenza started, and it left a vacant chair in our home before it got through; one of my brothers took the flu and pneumonia and died November 24th, but I guess there are a lot more vacant chairs in other homes since the flu started.

Well perhaps if I don't try to stop my letter might reach the W. P. B., but I hope mine never see it.

Well, I will close for this time, wishing the club every success.—Arza Boyle age 15, Ardley Sask.

Lorette, Man.

Dear Cousin Doris:—I will try and drop a few lines. Seeing the handsome prize to be awarded I thought I would try my best. I am a farmer's son. I like farm life very much. We have 400 acres of land and have about 160 acres under cultivation. We have 8 head of horses, 3 three year old colts, and 12 head of cattle, 3 milk cows. We have a little Titan 10-20 tractor. I did a little plowing last fall with it. We have a motor-car, too. There has been no school the last month. Our teacher die with the flu. We had it too, and so I will come to a close for this time.—Frank J. Penner, age 12, Lorette, Manitoba.

Tisdale, Sask

Dear Cousin Doris:—I have been an interested reader of the Canadian Thresherman and Farmer for some time, and seeing that there was \$2 for the best letter I thought I would try. I will now tell you all the work I am now interested in, and what work I would like to take up later in life. I like sewing very much and have a lot of it. I should also like to take up millinery work, and, best of all, I should like to be a stenographer. That is my first choice; second, millinery work; then dressmaking. Well, as my letter is getting quite long, I will close, wishing



DOES it make a difference to have the right hosiery on your feet? Does it? The same before and after the laundry, shape, color, softness. That's Penmans. Then to have that feeling of being well-groomed, buy your hosiery by name—Penmans. N. B. Penmans go longer without darning.



**Penmans**  
HOSIERY for MEN  
"THE STANDARD of EXCELLENCE"

this misses the W.P.B., and wishing you all good luck also.

Kendal, Sask

Dear Cousin Doris:—My father has been a reader of the Canadian Thresherman and Farmer as long as I can remember, and I like to read the boys' and girls' letter.

So I thought I would try my luck for a prize. We live three miles and a half from the Silver Hill school. I did not go to school this winter for it is too far to walk.

There were from 40 to 50 children in our school last summer. So our trustees are going to build a new school. I am in third reader now. I hope to get in the fourth reader this summer. We had a beautiful garden last summer. We sold a lot of green beans and green corn, and we had 1,000 heads of cabbage. We have 19 head of cattle and we are milking 8 cows. We have 5 horses, 50 hens, 3 ducks 6 turkeys, 2 pigs 2 dogs. We got a car. I would like to have a ride to Kendal now. I have a sister 4 years old; she does not like to get up in the morning. Hoping to see my letter in print. From your loving friend, Emilia Selbold, age 12.

**SMALL MUSICAL INSTRUMENTS and SUPPLIES**

**Mail Orders Shipped Promptly**

This new department in our organization is stocked with complete lines of best makes of instruments and supplies and at lowest possible prices.

Violins .....	\$ 2.00 up	Auto-Harps .....	\$ 2.25 up
Mandolins .....	2.00 up	Ukuleles .....	5.00 up
Banjos .....	12.00 up	Accordions .....	10.50 up
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Flageolists .....	3.50 up	Mouth Organs .....	.60 up
		Violin Bows .....	.75 up

All Carrying Charges Prepaid on Orders of \$3.00 up.  
Write to-day for Fuller Particulars.

**WINNIPEG PIANO CO** 333 PORTAGE AVE.

"Have you got a lawyer looking after your interest?"  
"Nominally, but I rather think he has his eye on my principal!"

Willie—"What's chaos, Johnny?"  
Johnny—"Chaos? Oh—er—yes—chaos is a great heap of nothing and nowhere to put it!"

## Quality Furs AND WHERE TO FIND THEM

**B**UYING furs or fur garments is at any time a serious problem to the average citizen; to-day it is one of the most risky details he or she has to face. Furs are a necessity—they are by no means a luxury that can be set aside except on a point of sheer extravagance on the part of a buyer of limited spending ability.

Like buying a watch or fine jewels, the average person or layman must necessarily be guided by the experience of the professional. Few people, even among long experienced furriers, really know the last thing in furs, but there are cases in which there is left no doubt as to the special expert knowledge and the integrity of the expert.

In both respects, no house in Canada commands greater confidence than the house of Fairweather. It has been a household word in Canada for many years and has deservedly won its way to the fine position it now holds in the public esteem by the unimpeachable quality of its goods, its workmanship, and the faultless service it offers.

It has just been the writer's privilege (by no means for the first time) to make a detailed inspection of Fairweather's wonderful store in Winnipeg, and especially in view of the difficulties surrounding the raw fur market, the display of manufactured goods is simply amazing.

Prices may be high in one or two of the "upper levels" of really exclusive numbers, but taking the average as it will affect Western Canadians, things are extremely moderate when compared even with the leading staples of household and personal needs.

Here, as in practically every other department of commerce, it is useless to hold off any needed or desired purchase in the hope of the market dropping. Everyone who knows anything of the elements of international trading is fully alive to the fact that a new normal has been created in the markets of the world, and that prices may still advance for some time, but there is no hope of

them retrograding for a long time to come.

In furs, therefore, we have no hesitation in saying—buy now if you will buy to advantage, and, indeed, any purchase in quality furs at this date is a gilt edged investment.

The Fairweather specialists are, at the least, the incarnation of good taste and artistic merit. It would be impossible even to outline a few of them in reasonable space. The only thing is to pay a visit to this wonderful exposition of fur novelties or to get one of the splendidly illustrated catalogues, if a visit is impossible.

The catalogue for 1919-20 has not been got up, as so many trade lists are, as a mere decorative exhibit. The whole effort has been concentrated on obtaining absolutely perfect photographic reproductions of the actual goods on a large scale. This has been arrived at and not a dot is left for criticism. The prospective buyer sees the furs and the complete design on a living model just as it could be seen in the warehouse.

Further, there is a more extended line in the catalogue to look at in the leisure of home and the counsel of friends than could be inspected in a whole day spent at Fairweathers.

### A RELIEF COLUMN

"Hullo! Tommy," cried the gentleman to a little friend of his in Scout uniform, who was hurrying past him early one morning. "Where are you off to in such a hurry?"

"Oh, you mustn't stop me, sir," replied Tommy, panting with breath. "cause I'm part of a 'relief column!'"

"Part of a what?" asked the gentleman, in astonishment.

"A 'relief column,' sir. I'm just off to the chemist to get something to stop father's toothache!"

"Hah! hah! and where's the other part of the column?"

"Oh, it's mother. She's busy making a poultice for his face!"

**AVOID ALUM  
IN FOOD**

**Baking Powder is one of the most important food ingredients. Alum or other injurious acids are frequently used by some concerns to lower the cost of production.**

**MAGIC  
BAKING POWDER**

Contains No Alum

**It is a pure phosphate baking powder and is guaranteed to be the best, purest and most healthful baking powder possible to produce.**

**W. Matthew Williams, in "Chemistry of Cooking," says: "Phosphates are the bone-making material of food and have something to do with building up of brain and nervous matter."**

**Made in Canada**

Mrs. Griggs: "If I had known what a fool you were I never should have married you."

Mr. Griggs: "You might have guessed it when I proposed to you."

"How's your son getting on in the army, Mrs. Birks?"

"Oh, it's very hard for him. You see, he's so thin, poor fellow, that every time he right-turns they mark him absent!"



**FREE  
COMPLETE HOCKEY OUTFIT**

**BOYS**—Don't pay \$6.00 for a hockey outfit, when you can get **ABSOLUTELY FREE**, this magnificent outfit complete, consisting of a pair of splendid, strong, polished steel hockey skates (all steel), a good lively puck, and a strong, well-made rock-hockey stick, and in addition, as an extra present, a dandy pair of well-padded hockey gloves with fingers and wrists protected by one splint covered with leather, or a pair of strong, heavy hockey boots, extra well attached and reinforced **WITH THIS SPLENDID OUTFIT YOU WILL BE THE BEST EQUIPPED PLAYER ON THE TEAM.**

These magnificent presents are given to you for introducing among your friends just 26 packages of the wonderful new "Low-Kid Bonnets." Each only 10c, a package. This is the most wonderful and exquisite

present that has ever been invented. One 10c package will purchase more articles than a dollar's worth of presents. The lovely color lasts for months. Everybody you show it to will want two or three packages at once, so you will sell them all in a few minutes of your spare time. Then send us our \$3.50 and you will receive at once the complete hockey outfit of fine quality skates, rubber puck and hockey stick, and the fine hockey gloves or hockey boots you can also receive without selling any more goods, by simply showing your fine presents to your friends and getting only four of them to sell our good and rare our fine premiums you did.

**Hurry up boys!** We arrange to stand payment of all charges on your outfit under our reimbursement system, and if you can't sell all the packages we will take them back and give you presents for what you do sell.

Address: THE REGAL MANUFACTURING CO., Dept. H 88 TORONTO, ONT. 13D

## KILL THE WOLF By Using SURE DEATH CAPSULES



25 Capsules, \$1.25; 100 Capsules, \$3.75. Add 15 cents for postage and tax to the above prices, when remitting—otherwise Capsules sent by Express Collect. Endorsed and recommended by the U.S. Forest Rangers. One wolf killed will save you many dollars.

**ORDER TO-DAY**  
Write for free Catalogue Number 3, "How to Trap Wild Animals."  
Manufactured by Northwestern Hide and Fur Co., Minneapolis, Minn.  
Send all orders to our Canadian Distributors.  
**WINNIPEG VETERINARY BREEDERS' SUPPLY CO., LTD.**  
281 James Ave. Winnipeg, Man., Canada



**CHRISTMAS MORNING**

This cleverly executed sketch of Miss Canada visiting her neighbors on Christmas morning has been specially contributed by Miss Annie Rose Collier—one of Winnipeg's most promising young artists.



**Keep Milk Cans and pails scrupulously clean with Old Dutch Cleanser**



**The Coziest CHRISTMAS COMFORT**

You can bestow on any friend or buy for your own use.

*It Speaks for Itself*

We have everything in **FOOT-WEAR FOR MEN, WOMEN AND CHILDREN.**

"Dorothy Dodd," "Classic" and "Hurlbut"—Wells for Children.

**Lawson's Shoe Store**  
1848 Scarth St. REGINA

**IN MEMORY OF AN OFFICER WHO LED HIS MEN SINGING**

His few gay years went marching to a song;  
He raised a boyish stave, that hovers still  
In memory o'er the Surrey fields and lanes;  
And in St. Giles on quiet summer nights  
Through open windows rolled that glorious voice;  
Now silent in the East the singer lies.  
But compassed round with merry song,  
he led  
His men across the last ridge. Blessed be  
The race whose noble boys in hour of need  
Meet tyrants with a song! For in their voice  
Lives on the music of all chivalry—  
The chants of Ironsides in mornings grey.  
The lilt of Cavaliers around their King;  
And through that song to the quick ear of faith  
Steals the Hosanna of a world set free.  
Edward Shillito, in the *Student Movement.*

**"WHILE SHEPHERDS WATCHED THEIR FLOCKS BY NIGHT"**

Like small curled feathers, white and soft,  
The little clouds went by,  
Across the moon, and past the stars,  
And down the western sky;  
In upland pastures, where the grass  
Wits frosted dew was white,  
Like snowy clouds the young sheep lay  
The first, best Christmas night.

The shepherds slept; and, glimmering faint,  
With twist of thin, blue smoke,  
Only their fire's crackling flame  
The tender silence broke—  
Save when a young lamb raised his head,  
Or, when the night wind blew,  
A nesting bird would softly stir  
Where dusky olives grew.

With finger on her solemn lip,  
Night hushed the shadowy earth,  
And only stars and angels saw  
The little Saviour's birth;  
Then came such flash of silver light  
Across the bending skies,  
The wondering shepherds woke, and hid  
Their frigidated, dazzled eyes!

And all their gentle sleepy flock  
Looked up, then slept again,  
Nor knew the light that dimmed the stars  
Brought endless Peace to men—  
Nor even heard the gracious words  
That down the ages ring—  
"The Christ is born! the Lord has come,  
Goodwill on earth to bring!"

Then o'er the moonlit, misty fields,  
Dumb with the world's great joy,  
The shepherds sought the white-walled town

Where lay the Baby Boy—  
And oh, the gladness of the world,  
The glory of the skies,  
Because the longed-for Christ looked up  
In Mary's happy eyes!  
—Margaret Deland.

**VENTILATION AND SANITATION—A RURAL PROBLEM**

By A. E. Kepford, Lecturer on Tuberculosis

**W**HEN it is known that 35 per cent of the patients admitted to the sanitoriums are from the farms, one may do well to stop and consider the cause. The question raised may be answered by the fact that our rural friends do not pay enough attention to those simple precautionary measures—ventilation and sanitation. Custom and tradition are usually an intimate part of home life on the farm. What is usual or has been passed on from one generation to another is often venerated, if not worshipped.

Because we have shut up our houses to keep out the cold and incidentally to keep from "taking cold" in the winter from time immemorial, in spite of the fact that modern science teaches us better, we have been simply following the traditions of the past. As our

**The "OPEN SESAME"**

**FREE!**

**D. R. Dingwall, Ltd.**  
Winnipeg, Man.

**A Dingwall Catalogue awaits your address**

**T**HERE'S almost the charm of magic in the solutions it will offer for your many Christmas gift-giving problems. Back of this beautifully illustrated book and its wonderfully graphic descriptions are the great Dingwall Stores in Winnipeg—their invaluable stocks and wealth of assortment.

Thousands of farm homes in Western Canada do their Christmas shopping from the Dingwall Catalogue with just the same satisfaction that our Winnipeg customers enjoy who personally purchase over our counters.

Dingwall Mail Order Service means so much more than this hackneyed expression could ever convey. Not only are your orders given prompt attention the minute they reach our hands—but we also carefully pack and ship your orders to any address you supply, enclosing your card if desired. Think what this service means to you amid the hurry and excitement of Christmas activities.

Then, of course, it goes without saying that your gifts carry added prestige and appreciation if they come from the Dingwall stores.

*Send a post card to-day. Catalogue will be forwarded post paid.*

**D. R. Dingwall, Ltd.**

Diamond Merchants, Jewellers and Silversmiths

**E. H. HEATH CO.**

Wish all the Boys and Girls a

**Right Merry Christmas**

And ask them to read carefully the next two pages

# FREE 5 SHETLAND PONIES—5 BIG PRIZES FREE

CASH TO EVERYBODY  
ARE YOU IN IT--IF NOT--WHY NOT?

Hundreds of boys and girls throughout the three Western Provinces have gotten away to a good start in the Big Shetland Pony Race put on by The Canadian Thresherman and Farmer

## YOU CAN ENTER ANY TIME

You know this is not like the big horse races that you see on the fair grounds during the summer. In those races the horses all get away to a fairly even start and in several minutes it is all over. In this race the boys and girls enter any time, and the race lasts several weeks. Even if you do get a late start you can by trying hard catch the leaders. To be sure an early start is an advantage, so get in just as early as ever you can. Follow our instructions and you will very quickly be up in the front. If you are one of the leaders you should keep right on doing your very best because you never can tell what some of those behind you might do. Our office records show that daily the entrants are changing position. This or that boy or girl sends in a club, or a number of individual subscriptions or a bunch of expiry slips, and up goes his or her record, and he or she suddenly shoots forward in the race. Don't forget the bonus points we are giving for clubs. It is these that put you ahead with a sudden plunge. Look up your records and see where a 50 or 100 club would put you. Another thing you want to remember is, that next May many boys and girls will be receiving big money commissions. How big will yours be?



WATCH THESE PAGES NEXT MONTH AND SEE WHAT POSITION THE PONIES ARE IN

## THE 5 BIG PRIZES

The Five Shetland Ponies constitute the big feature, but every boy or girl contesting will receive large cash prizes

**GIRLS' BIG PRIZE OUTFIT** consists of Shetland Pony, "Dandy," a Buggy, Harness, Riding Saddle and a nickle-mounted Bridle. This prize will be given to the girl living in one of the three Western provinces—Manitoba, Saskatchewan or Alberta—whom the records show at the close of the contest has the greatest number of points of the girl contestants.

**BOYS' BIG PRIZE OUTFIT** consists of Shetland Pony, "Prince Edward," with a complete outfit same as is given with the Girls' Big Prize Outfit. This prize will be given to the boy living in one of the three Western provinces—Manitoba, Saskatchewan or Alberta—whom the records show at the close of the contest has the greatest number of points of the boy contestants.

Note:—Winning one of the above prizes eliminates the contestant and bars him or her from winning one of the following prizes:—

**MANITOBA'S BIG PRIZE OUTFIT** consists of Shetland Pony, "Chummy," a dandy saddle and beautiful nickle-mounted bridle. This entire outfit will be

given to the boy or girl living in the Province of Manitoba who obtains the greatest number of points, unless eliminated by winning one of the first two prizes, in which case the second greatest number of points obtained by a boy or girl living in the Province of Manitoba wins.

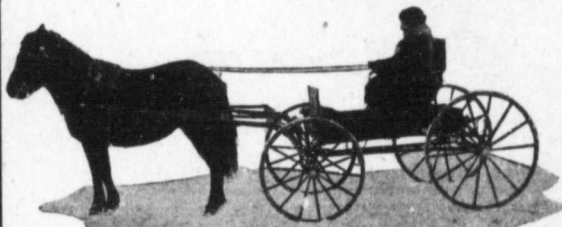
**SASKATCHEWAN'S BIG PRIZE OUTFIT** consists of Shetland Pony, "Baby Doll," and the same kind of an outfit as goes with the Manitoba Prize. This outfit will be given to a boy or girl living in the Province of Saskatchewan under the same terms and conditions as prevail in the Manitoba Prize.

**ALBERTA'S BIG PRIZE OUTFIT** consists of Shetland Pony, "Beauty," and everything the same as the previous two prizes, only that the boy or girl must live in Alberta.

Note:—We have substituted the above names in place of the proper names of the Ponies. When the Prizes are won and announced, we will advise their proper names.

All prizes will be sent prepaid to the winner's home town

**REMEMBER: If Not a Pony Winner You Get Cash Anyway**



"DANDY"



"PRINCE EDWARD"

# THE BIG RACE IS ON

**EVERY BOY OR GIRL CAN TRY**

Any boy or girl under 18 years of age, living in either Manitoba, Saskatchewan or Alberta, is eligible to enter this Contest (excepting those who are the children of any employee of the E. H. Heath Co., Ltd., or children who reside in Winnipeg, Regina, Saskatoon, Calgary or Edmonton). He or she can obtain orders anywhere within the three above-named provinces, excepting in the above big cities. It costs nothing to enter this contest.

**POINTS ARE WHAT COUNT**

The greatest number of points, not necessarily the number of orders obtained, will win the Prizes. By forming Clubs you obtain a big additional number of points. You also get points for turning in to our office expiry slips. (See following tables and paragraphs.)

**HOW TO ENTER THE CONTEST**

Fill in the entrant blank below with your full name and address and return at once to The Canadian Thresherman and Farmer. On receipt of this form we will send all necessary supplies so that you can start taking orders. We will also credit your entry card with 1000 points. This number of points will stand to your credit throughout the Contest and be a part of your grand total number of points, provided you have made an effort to increase the number by obtaining orders. If it is found on the closing date that you have not procured sufficient orders to give you a total of 3,000 points, then the 1,000 entry points will be taken from your record card, and no claim shall be made on the E. H. Heath Co., Limited, to pay you for the said 1,000 points.

**EVERY POINT MEANS MONEY**

To all contestants we are going to pay in cash one-half a cent for every point obtained. You will readily see that each 1000 points to your credit means \$5.00. If at the close of the contest your record shows less than 50,000 points and that you are a winner of one of the Shetland Ponies, then, and in that case, the Shetland Pony will become yours, but the E. H. Heath Co., Limited, will not pay for the points to your credit as per the one-half cent per point. Should your record show more than 50,000 points, and that you are the winner of one of the Shetland Ponies, then, and in that case, the Shetland Pony will become yours, and the E. H. Heath Co., Limited, will also pay you for the points to your credit as per the one-half cent per point.

**POINTS GIVEN FOR ORDERS**

For orders reaching our office prior to the closing of the contest midnight of April 30th, 1920, we will give:

For a 1-Year Subscription at \$1.50	.....	30 Points
For a 2-Year Subscription at 2.00	.....	50 Points
For a 3-Year Subscription at 3.00	.....	100 Points
For a 5-Year Subscription at 4.00	.....	200 Points

**NOTICE:**—Several contestants entering within the last ten days complained of the table which appeared in the November issue giving a lesser number of points for orders taken after January 1st. We therefore, in absolute fairness to those entering late, have decided to give the above number of points throughout the entire contest.

**CLUBS GIVE BONUS POINTS**

We will give for the forming of Clubs of 50 members bonus points which represent not only handsome cash values, but very materially increase your number of points toward the winning of the Ponies. (See table below.)

The Bonus Points given for forming clubs of 50 members are:

	On the 1st Club	On the 2nd Club	On the 3rd Club	On the 4th Club
All 1-Year Subscriptions	500	1,000	3,500	5,000
All 2-Year Subscriptions	1,500	3,000	6,000	10,000
All 3-Year Subscriptions	3,000	6,000	12,000	18,000
All 5-Year Subscriptions	5,000	10,000	18,000	26,000

**CLUBS MEAN BIG CASH VALUES**

By forming the above Clubs your total record would show exclusive of points earned on expiry slips, the following number of points and their cash value. In these figures we have included the 1,000 entrance points:

	1st Club Value Points Cash	2nd Club Value Points Cash	3rd Club Value Points Cash	4th Club Value Points Cash
All 1 Year Orders	3,000—\$15.00	5,500—\$27.50	10,500—\$52.50	17,000—\$85.00
All 2 Year Orders	5,000—\$25.00	10,500—\$52.50	19,000—\$95.00	31,500—\$157.50
All 3 Year Orders	9,000—\$45.00	20,000—\$100.00	37,000—\$185.00	60,000—\$300.00
All 5 Year Orders	15,000—\$75.00	35,000—\$175.00	64,000—\$320.00	109,000—\$545.00

Five-year orders are much cheaper for subscribers and are worth many more points to the entrant, therefore, entrants should always try for five-year subscriptions.

**POINTS FOR EXPIRY SLIPS**

On the back cover of each copy of The Canadian Thresherman and Farmer is the pink expiry slip, showing the name and to what date the subscription is paid. The figures in the lower left hand corner indicate this. For example: 11—19 means the subscription expires November, 1919, and 2—22 would mean February, 1922. For each one of these pink expiry slips, clipped with enough of the cover to show same was taken from the current month's issue and sent in to the office attached to the coupon below, we will credit the entrant's record with two points.

**THREE JUDGES WILL FIND THE WINNERS**

On May 1st, 1920, all records pertaining to this contest will be turned over to three Judges. It will be their duty to find the winners, and their findings from the record cards will be final. The Judges will be three men in no way connected with the staff of The Canadian Thresherman and Farmer or with the firm of the E. H. Heath Co., Limited. No one having a relative entered in the contest can be a member of this board of three Judges.



"CHUMMY"

"BABY DOLL"

"BEAUTY"

**Entrant Coupon**

THE CANADIAN THRESHERMAN AND FARMER,  
WINNIPEG, MANITOBA  
SHETLAND PONY CONTEST MANAGER:

Please enter my name as a contestant in your big Shetland Pony Contest, and credit me with 1,000 points.

Name .....

My age is .....

Town .....

Province .....

In connection with this contest address all communications to:  
W. L. WILLIAMS, Circulation Manager,  
THE CANADIAN THRESHERMAN AND FARMER  
Published by E. H. Heath Co., Limited, Winnipeg, Manitoba.

**Contest Closes April 30th, 1920**

All contest orders must be in our Office prior to midnight of April 30th, 1920.

**Expiry Slip Coupon for December**

THE CANADIAN THRESHERMAN AND FARMER,  
WINNIPEG, MANITOBA  
SHETLAND PONY CONTEST MANAGER:

Gentlemen:

Attached please find ..... expiry slips clipped from the December, 1919, issue of The Canadian Thresherman and Farmer. Kindly credit my record with 2 points for each, a total of ..... points.

**NOTE:**—Only slips clipped from the December issue are to be attached to this coupon. Slips taken from old issues will not be accepted or credited.

Name of Entrant .....

Town .....

Province .....

There will be a coupon in the January issue for January expiry slips.

**ARE YOU IN IT?**

# WILL BE MARY PICKFORD'S LEADING MAN \$2500.00 PRIZES FOR THE BEST ANSWERS.



## Do You Know These Five Actors' Names?



1. Plain Rachelich 2. L. Arn a Lass 3. Jet Black Rig 4. Sell Raw Hip 5. In for a Bad Glass Uk

CANADA'S own and beloved Mary Pickford is about to produce one of the greatest moving picture plays of her career. It is a story abounding in love and humour, pathos and happiness.

Miss Pickford's big problem now is to select a capable actor who will be suitable as her leading man in this great production. She can pick from all the greatest moving picture actors of the world, but her selection is now down to the five favorite movie actors whose pictures are shown above. One of these five will be chosen by her to play the Leading Man's role in this great new movie production.

**Do you know the Names of these five Favorite Players?**

The object of this contest is to recognize and name these five most eminent movie actors. After you have recognized them, and in order to help you name them correctly, we have put their right names under-

neath their pictures in jumbled letters. Unscramble these letters, put them into their right order and you will have their names. In case you are not familiar with the names of the most popular moving picture actors today, the names below will help you.

### Names of Some of the Favorite Players

Fred Huntley, Allan Sears, Owen Moore, Milton Sills, Jack Pickford, Charlie Chaplin, Charles Ray, Elliot Dexter, Wallace Reid, Francis Ford, Dustin Farnum, Henry Walthall, Warren Kerrigan, Jack Gilbert, Harold Goodwin, William S. Hart, Thomas Meighan, Antonio Moreno, Stuart Holmes, Francis X. Bushman, William Farnum, Robert Harron, Douglas Fairbanks, Earl Williams, Ralph Lewis, Tom Moore.

## These Magnificent Prizes Given for Best Correct or Nearest Correct Replies

1st Prize, 1920 Chevrolet	\$990.00
2nd Prize, 1920 Ford Touring Car	\$740.00
3rd Prize, \$150.00	14th Prize, \$5.00
4th Prize, 100.00	15th Prize, 5.00
5th Prize, 50.00	16th Prize, 5.00
6th Prize, 25.00	17th Prize, 5.00
7th Prize, 20.00	18th Prize, 5.00
8th Prize, 15.00	19th Prize, 3.00
9th Prize, 10.00	20th Prize, 3.00
10th Prize, 10.00	21st Prize, 3.00
11th Prize, 10.00	22nd Prize, 3.00
12th Prize, 10.00	23rd Prize, 3.00
13th Prize, 5.00	24th Prize, 3.00

And 25 Extra Prizes of \$1.00 each.  
\$500.00 Additional Cash Prizes will also be awarded.

This Magnificent CHEVROLET TOURING CAR



First Prize VALUE \$990.00 Or its equivalent in Cash.

### This Great Contest is Absolutely Free of Expense Send Your Answers Today!

This great contest is absolutely free of expense and is being conducted by the Continental Publishing Co., Limited, one of the largest and best-known publishing houses in Canada. That is your guarantee that the prizes will be awarded in absolute fairness and squareness to you and every other contestant. Frankly, it is intended to further introduce EVERYWOMAN'S WORLD, Canada's Greatest Magazine. You may enter and win any of the prizes, whether you are a subscriber to EVERYWOMAN'S WORLD or not, and, moreover, you will neither be asked nor expected to take the magazine or spend a single penny of your money to compete. Here is the idea.

EVERYWOMAN'S WORLD is so popular everywhere that it now has the vast circulation of 100,000 copies a month, but our master is "Everywoman's World in Every Woman's Home." We want more Canadian readers to become acquainted with this famous publication. Therefore, when we acknowledge your entry to this contest, and you know your standing or the prizes, we shall send you a copy of the very latest issue and a review of many of the fine features soon to appear, without any cost to you. We shall also send, free of charge to all qualified contestants, a charming photo of Miss Mary Pickford with reproduction of her autograph in her own handwriting. Then, in order to qualify your entry to be sent on for the judging and awarding of the big prizes, you will be asked to assist us in carrying on this big introduction plan by show-

ing your copy to just four friends or neighbours, who will appreciate this really worth-while Canadian magazine and want it to come to them every month. You will easily fulfill this simple condition in a few minutes of your spare time.

### How to Send in Your Solution

Use one side of the paper only, and put your name and address (stating whether Miss, Mrs., Mr. or Master) in the upper right-hand corner. If you wish to write anything but your answers, use a separate sheet of paper.

Miss Mary Pickford, as Honorary Judge and three independent judges, having no connection whatever with this firm, will award the prizes, and the answer gaining 250 points will take first prize. You will get 20 points for every name solved correctly, and 40 points will be given for general neatness, punctuation and spelling; 10 points for hand writing, and 100 points for fulfilling the conditions of the contest. Contestants must abide by the decision of the judges. The contest will close at 11 p.m., May 31st, 1920, immediately after which the answers will be judged and prizes awarded.

**DON'T DELAY!** Send your answers to-day. This announcement may not appear again in this paper. Address your entry to:-

**Movie Editor, Mary Pickford Contest,**  
Dept. 226, EVERYWOMAN'S WORLD, TORONTO, ONT.

fathers lived and died of the plagues of ignorance so we live and die. Not only our houses are rendered unsalubrious by the exclusion of fresh air and sanitation, but we even invade the courts of the Lord with our fouled and fetid air which we keep locked up to be used from Sabbath to Sabbath. When slain by the "white plague," the result of our own foolish superstition, we seem to find consolation in attributing the cause to an "all-wise Providence" and congratulate ourselves that God is well-pleased with our abundant faith. Our school houses reek with the filthy air breathed over and over again and send our children back to us derelictized in body and dishonored in mind.

In the matter of food and drink, it frequently happens that little or no sanitation is observed. The cow barn where the milk used on our tables, and the most important article of diet for infants, little children and invalids, is produced, is frequently reeking with dirt and the foulest odors; but little attention is paid to cleanliness in the operation of milking and the food becomes contaminated with disease germs which do certainly kill. In the matter of water supply, cess pools and privy vaults are adjacent to wells which become infected with typhoid germs. I have seen the surface drainage from barnyards pour down around wells from which water was constantly used for

household purposes. I have known whole families to be smitten with typhoid fever as a result of such inexcusable carelessness. And in respect to the animals, it often happens that their water supply is from a stagnant pond or dirty slough. Cows, especially, have been abused in this particular, but the neglect of these animals may at last be our own sorrow. An incident will serve to illustrate: A family had a run of typhoid. An analysis of the milk showed typhoid germs which were traced to a scum-covered pond in the pasture from which not only the cows drank, but waded into, smearing their udders with the muck of the slough. Then by unclean habits of milking, the germs

were conveyed into the milk and the story of death was written.

Thus it will be seen that the water supply and preparation of food became exceedingly important. It is idle to deny that hygienic measures are not as necessary on the farm as in the city. Yet our rural friends, as a whole, have not learned the value of sanitation as have the urban dwellers. This may be due to the fact that the city has to adopt these sanitary precautions to avoid disaster to the multitudes and millions of dollars have been spent in laying of sewers, disposal of garbage, and securing pure water. Not only has it been necessary to rigidly guard these things, but inspection of milk and meat and other food products is imperative to prevent epidemic of one kind or another.

That the average farmhouse is not properly ventilated in the winter is a tragic fact. And this fact becomes more momentous in view of the high intelligence and common sense of the western farmer. No class of people have less excuse for lack of fresh air and abundant sunshine. In the great out-of-door with the limitless stretches of blue sky, amidst the surges of unpolluted air and uncrowded by multitudes of disease-bearing people, there is no reason why these farm homes should not be sanitary and hygienic. But they are not! In the modern residence, the architect has neglected the ventilation of the house altogether, or abandoned it to the heating engineer. The architectural plans and specifications provide that the house shall be heated, but whether the fresh air shall be taken in from the outside and foul air eliminated through escape ducts, does not enter into the consideration. It is probably true that most houses heated with hot air furnaces have no system of ventilation at all. There is a system of circulation—not ventilation—of the air already in the house. The cold air is taken from the front hall in all likelihood and sent through the furnace where it is heated and carried back to be inhaled by the occupants and exhaled to again be carried back to be heated and re-circulated and so on ad infinitum. That the air may be thus heated successfully and circulated as well is true, but the disastrous effects which follow in the destruction of human life is amazingly true. The fatal thing about these systems is that usually the instructions to be followed require that the house shall be kept closed as nearly air-tight as possible. There is a warning that any deviation will interfere with the perfect working of the plant. Thus the house becomes a veritable hot-house and the inhabitants thereof come forth physically derelictized and many of them join the ranks of the white-faced throng.

The stove-heated farmhouse as generally prepared for winter is positively vile. I have seen these houses banked up with manure or dirt, storm windows on and storm doors. I have seen the cracks and crevices calked with rags and the house as nearly hermetically sealed as possible. Here coughs and colds have been constant while the mortality from pneumonia and tuberculosis has been appalling. I have seen physicians fighting for fresh air in these homes, to be rebuffed by the old-fashioned grandmother—who does not always wear petticoats, either—or interfered with by anxious friends, and which resulted in the death of the patient and to the detriment of the doctor's reputation. From these unventilated homes come forth many children with tonsillitis and sore throat, coughs, colds and catarrhal inflammations of the air passages.

Tuberculosis is a house disease and this plague would soon be rendered innocuous if our dwellings, especially the sleeping rooms, were properly ventilated so as to insure an abundance of fresh air to be constantly admitted.

The value of fresh air cannot be overstated. Not only do the lungs require a vast amount every hour, but the skin—which has been called the third lung—must have a constant supply of air in order to do its proper functioning. Add to this the necessary bathing of the body at frequent intervals and with proper diet, there is no reason why the fatty



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er's family should not live a hundred years.

It is one of the unfortunate traits of the human family that we do not learn readily. We might long since have drawn valuable lessons from our dumb animals. We have learned that tuberculosis kills our cattle if we insist on shutting out the fresh air, so we have devised methods of ventilating our barns. We take particular care of our horses to avert lung fever and pneumonia; we see that our hogs and chickens have plenty of fresh air. Now, if it is good for these lower animals, it must be good for us and our children.

No house is scientifically, hence properly ventilated, that does not take the air from the outside, warm it and have the foul air escape through a flue or other device. Not only is it imperative that our dwelling houses shall be thus arranged, but our churches and school buildings—especially the latter—should be ventilated in the most approved manner. It may not have occurred to you, but it is my deliberate judgment after nearly five years of careful investigation in this field that we are debauching the bodies of our children in the school rooms. When we build our school houses the rule has been to save money for the taxpayer, but little consideration has been paid to saving the health of our children; we have built, without thought of sanitation and hygiene. Not only this, but we have even invaded the sacred precincts of God's house and cast the expurgated sins of our bodies into His sanctuary in the guise of foul air to remain from Sabbath to Sabbath, a stench in the nostrils of Jehovah. I say this reverently; that many a good sermon has been shorn of its power because it fell upon ears deafened by carbonic acid gas in the air of the worshippers. It is time to heed the warning—how shall we escape if we neglect the salvation of good food, sunshine and fresh air? We have not escaped in the past and cannot hope to escape in the future if we insist on violating the most simple law of common sense and decency.

### WOMEN BANNED

Colonel's Story of Firm Who Had to Dismiss Girl Workers

Sir R. Horne, the Labor minister, made an important statement to the Standing Committee of the House of Commons which met for the purpose of considering the Bill to make provision with respect to the restoration of certain trade practices.

He said there appeared to be some misapprehension on the question of sex disability in connection with this Bill. Sex disability did not arise in the matter at all. There was no sex disability in industry, though there was in respect to certain professions.

The war had established beyond all dispute that there was no such disability in industry.

Colonel Greig said women had been refused admission to the engineers' union, and had had to be withdrawn from business.

Asked to give names, Colonel Greig replied that he could not do that, but he would read a letter from a very respectable firm, whose name he would not give away. This said that the women did half as much again as the men and were quicker, neater and more efficient, and, though they wanted to keep them, they had to dispense with their services.

### MOTHER

By Orison Sweet Marden

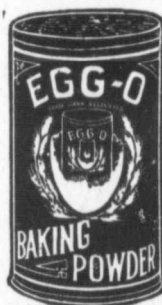
(This intensely human document was written a year or two before the war. If it went home to thousands of young hearts then, with what feelings will it now be perused by those great boys and girls who went overseas to fight for all that "Mother" means to the whole structure of civilization—and to the individual far from her sweet voice—perchance in the "tightest corner" in which human beings ever found themselves?—Ed.)

ALL that I am or hope to be," said Lincoln, after he had become President, "I owe to my angel mother."  
"My mother was the making of me," said Thomas Edison, recently. "She

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We also give you free the wonderful Pan-cho-scope, the instrument that enables you to travel around the world without leaving your home. It gives you in miniature, scenes of the greatest places in the world, just as they would appear if

you were you looking at them on the spot. It makes great buildings, wonderful pieces of interest, appear like fairy scenes to you, and people as if alive. You can visit the battlefields of Europe with it.

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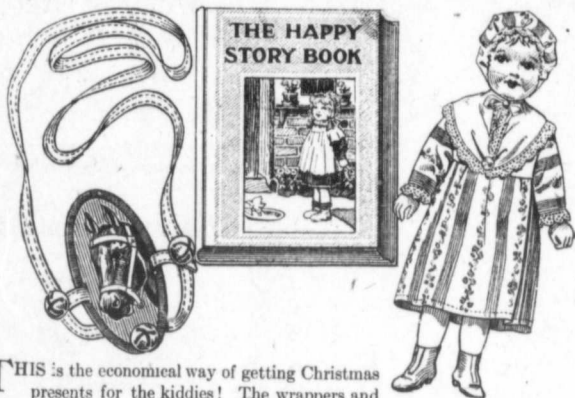
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inspiration and constitutes the holy of holies of family life.

"In my mother's presence," said a prominent man, "I become for the time transformed into another person."

How many of us have felt the truth of his statement! How ashamed we feel when we meet her eyes, that we have ever harbored an unholily thought, or dishonorable suggestion! It seems impossible to do wrong while under that magic influence. What revengeful plans, what thoughts of hatred and jealousy, have been scattered to the four winds while in the mother's presence! Her children go out from communion with her resolved to be better men, nobler women, truer citizens.

The greatest heroine in the world is the mother. No one else makes such sacrifices, or endures anything like the suffering that she uncomplainingly endures for her children.

I know a mother who has brought up a large family of children under conditions which, I believe, no man living could possibly have survived. She had a lazy, worthless husband with no ambition, no force of character; a man extremely selfish and exacting, who not only did practically nothing to help his wife carry her terrible burden, but also insisted upon her waiting upon him by inches.

They were too poor to afford a servant, and the good-for-nothing husband would not lift a finger to help his wife if he could avoid it; yet he was cross, crabbed and abusive if meals were not on time, and if they were lacking in any respect, or if the children annoyed him or interfered with his comfort. Although the mother worked like a slave to keep her little family together and to make a living for them, her husband would never even look after the children while she was working, if he could sneak out of it. When the children were sick, he would retire without the slightest concern, and leave the jaded mother, who had worked all day like a galley slave, to nurse them. This man never seemed to think that his wife needed much sleep or rest, a vacation, holiday, or any change; he seldom took her anywhere, and was never known to bring her home a flower or a nickel's worth of anything. He thought that anything was good enough for his wife. She made her clothes over and over again, until they were worn out, but he always had to have a natty suit, which his wife must keep pressed. He insisted upon having his tobacco and toddy, and would always take the best of everything for himself, no matter who else went without.

Yet, in spite of the never-ending drudgery, the lack of comforts and conveniences in her home, and the fact that her health was never good; no matter how much her rest was broken by attendance upon the sick children, or how ill she might be, this woman never complained. She was always cheerful, always ready to give a helping hand and an encouraging word, even to her ungrateful husband. Calm, patient, and reassuring, she never failed to furnish the balm for the hurts of all her family. This woman saw her beauty fade, and the ugly lines of care, anxiety, and suffering come into her face. She saw no prospects of relief from care for herself in the future; nothing but increasing poverty; homelessness, and not a cent in the savings-bank. Yet she never complained. No one heard her denounce her shiftless husband, the real cause of all her sufferings. She literally gave up her life to her family, until there was nothing left, but the ashes of a burdened-out existence, nothing but the shell of a once enchantingly beautiful and noble woman.

Ah, this is heroism—to see all the dreams of girlhood fade away, nearly everything of value go out of the life, and yet to bear up under it all with a sublime courage, heavenly patience, superb dignity, a wonderful mental poise and optimism. If this is not heroism, there is none on this earth.

What is the giving of one's life in battle or in a wreck at sea to save another, in comparison with the perpetual sacrifice of a living death lasting for half a century or more! How the world's heroes dwindle in comparison with the mother heroine!

was so true, so sure of me; and I felt that I had someone to live for; so someone I must not disappoint."

"All that I have ever accomplished in life," declared Dwight L. Moody, the great evangelist, "I owe to my mother."

"To the man who has had a mother, all women are sacred for her sake," said Jean Paul Richter.

The testimony of great men in acknowledgment of the boundless debt they owe to their mothers would make a record stretching from the dawn of history to to-day. Few men, indeed, become great who do not owe their greatness to a mother's love and inspiration.

How often we hear people in every walk of life say, "I never could have done

this thing but for my mother. She believed in me, encouraged me, when others saw nothing in me."

"A kiss from my mother made me a painter," said Benjamin West.

A distinguished man of to-day says: "I never could have reached my present position had I not known that my mother expected me to reach it. From a child she made me feel that this was the position she expected me to fill; and her faith spurred me on and gave me the power to attain it."

It is a strange fact that our mothers, the molders of the world, should get so little credit and should be so seldom mentioned among the world's achievers. The world sees only the successful son; the

mother is but a rung in the ladder upon which he has climbed. Her name or face is never seen in the papers; only her son is lauded and held up to our admiration. Yet it was that sweet, pathetic figure in the background that made his success possible.

Many a man is enjoying a fame which is really due to a self-effacing, sacrificing mother. People hurrah for the governor, or mayor, but the real secret of his success is often tucked away in that little unknown, unappreciated, unheralded mother. His education and his chance to rise may have been due to her sacrifices.

The very atmosphere that radiates from and surrounds the mother is the



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Who but a mother would make such sacrifices, drain her very life-blood, all her energy, everything, for her children, and yet never ask for or expect compensation?

There is no one in the average family, the value of whose services begins to compare with those of the mother, and yet there is no one who is more generally neglected or taken advantage of. She must always remain at home evenings, and look after the children, when the others are out having a good time. Her cares never cease. She is responsible for the house-work, for the preparation of meals; she has the children's clothes to make or mend, there is company to be entertained, darning to be done, and a score of little duties which must often be attended to at odd moments, when she is up working long after every one else in the house is asleep.

No matter how loving or thoughtful the father may be, the heavier burdens, the greater anxieties, the weightier responsibilities of the home, of the children, always fall on the mother. Indeed, the very virtues of the good mother are a constant temptation to the other members of the family, especially the selfish ones, to take advantage of her. If she were not so kind, so affectionate and tender, so considerate, so generous and ever ready to make all sorts of sacrifices for others; if she were not so willing to efface herself; if she were more self-assertive; if she stood up for and demanded her rights, she would have a much easier time.

But the members of the average family seem to take it for granted that they can put all their burdens on the patient, uncomplaining mother; that she will enable the children to help out, and in many homes, sad to say, the mother, just because of her goodness, is shamefully imposed upon and neglected. "Oh, mother won't mind, mother will stay at home." How often we hear remarks like this from thoughtless children!

It is always the poor mother on whom the burden falls; and the pathetic thing is that she rarely gets much credit or praise.

Many mothers in the poor and working classes practically sacrifice all that most people hold dearest in life for their children. They deliberately impair their health, wear themselves out, make all sorts of sacrifices, to send a worthless boy to college. They take in washing, go out house-cleaning, do the hardest and most menial work, in order to give their boys and girls an education and the benefit of priceless opportunities that they never had; yet, how often, they are rewarded only with total indifference and neglect!

Some time ago I heard of a young girl, beautiful, gay, full of spirit and vigor, who married and had four children. The husband died penniless, and the mother made the most heroic efforts to educate the children. By dint of unremitting toil and unheard of sacrifices and privations, she succeeded in sending the boys to college and the girls to a boarding-school. "When they came home, pretty, refined girls and strong young men, abreast with all the new ideas and tastes of their times, she was a worn-out, commonplace old woman. They had their own pursuits and companions. She lingered among them for two or three years and then died, of some sudden failure of the brain. The shock woke them to consciousness of the truth. They hung over her, as she lay unconscious, in an agony of grief. The oldest son, as he held her in his arms, cried: 'You have been a good mother to us!' Her face colored! again, her eyes kindled into a smile, and she whispered: 'You never said so before, John.' Their the light died out, and she was gone."

Who can ever depict the tragedies that have been enacted in the hearts of Canadian mothers who have suffered untold tortures from neglect, indifference, and lack of appreciation.

What a pathetic story of neglect may a mother's letters from her grown-up children could tell! A few scraggy lines, a few sentences now and then, hurriedly written and mailed — often to ease a

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FOR Johnny's birthday his mother presented him with a dandy rifle, and Johnny took the four targets that came with the rifle and went out to the back yard to try his skill. Shortly after, his mother came out too to satisfy herself that Johnny knew how to use his gun. Upon examining the targets showing all the holes made by the bullets, and being a quick-thinking woman, she exclaimed: "Why, Johnny, what a good shot you are—and you know that you have made every target spell a word! Can you tell me what each target spells?"

Can YOU Puzzle It Out?

Johnny couldn't, so his mother told him HOW TO DO IT. Each target spells a word. Each circle of each target shows a number of bullet holes, and each circle represents a letter of the alphabet. For instance, "A" would be represented by one hole, "B" by two holes, "C" by three holes, and so on.

After you have worked out all the letters that are represented in each word, you will find that they are not in their proper order. Put them into their proper order to spell out correctly the names of the four things wanted.

In order to help you, we will tell you that the letter represented by the middle circle of first target is "A," because "A" is the first letter of the alphabet. This is not an easy puzzle, but with perseverance you can work it out—and the prizes are worth trying for. Copy your answer upon a plain white sheet of paper no larger than 5 1/2 by 7 inches, spelling, handwriting and punctuation correct if more than one answer is correct. Put your name and address in the top right-hand corner of the paper. If you have to write a letter, or show anything else, put it upon a separate sheet of paper. We will write as soon as your answer is received and tell you if your solution is correct, and also send you a complete illustrated list of the grand prizes that you can win.

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- \$150.00 Cash - Bryden Foster, Leamington, Ont.
- \$100.00 Cash - Francis Kirby, Three Hills, Alta.
- \$100.00 Cash - Mary Procter, Vancouver, B.C.
- \$100.00 Doll and Carriage - Eva Gasson, North Bay, Ont.

We will send you the names of most of our other boys and girls under 17 years of age, may send answers, and each boy and girl will be required to perform a small service for us.

The contest will close on June 30, 1920, at 5:30 p.m. Send your answers this evening.

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troubled conscience—mere apologies for letters, which chill the mother heart.

There are plenty of wealthy men in this country who owe everything to the mothers who made all sorts of sacrifices for their rearing and education. When they became prosperous, these men neglected their devoted mothers, but came to their senses at their funerals. Then they spent more money on expensive caskets, flowers and emblems of mourning than they had spent on their poor, loving, self-sacrificing mothers for many years while alive. Men who, perhaps, never thought of carrying flowers to their mothers in life, pile them high on their coffins. There is nothing which pains a mother so much as ingratitude from the children for whom she has risked her life, and to whose care and training she has given her best years.

I know men who owe their success in life to their mothers, who have become prosperous and influential, because of the splendid training of the self-sacrificing mother, the education secured for them at an inestimable cost to her, and yet they seldom think of taking her flowers, confectionery, little delicacies, or taking her to a place of amusement, or of giving her a vacation, or bestowing upon her any of the little attentions and favors so dear to a woman's heart. They seem to think she is past the age for these things, that she no longer cares for them, that about all she expects is enough to eat and drink, and the simplest kind of relief.

These men do not know the feminine heart which never changes in these respects, except to grow more appreciative of the little attentions, the little considerations and thoughtful acts which meant so much to them in their younger days.

Not long ago I heard a mother, whose sufferings and sacrifices for her children during a long and terrible struggle with poverty should have given her a monument, say, that she guessed she'd better go to the old ladies' home and end her days there. What a picture that was! An old lady with white hair and a sweet, beautiful face; with a wonderful light in her eye, calm, serene and patient, yet dignified, whose children, all of whom are married and successful, made her feel as if she were a burden. She had no home of her own, not a single piece of furniture, or any of the things which are so dear to the feminine heart. Think of

this old woman, who, in order to bring up and educate and fit for successful careers, half a dozen ungrate, selfish children, had made sacrifices that were simply heartrending, receiving, in her old age, only a stinging monthly allowance from her prosperous sons. They live in luxurious homes, but have never offered to provide a home for the poor, old rheumatic, broken-down mother who for so many years slaved for them. They put their own homes, stocks and other property in their wives' names, and while they pay the rent of their mother's meagerly furnished rooms and provide for her actual needs, they apparently never think what joy it would give her to own her own home, and to possess some pretty furnishings and a few pictures.

I have never known a man who was ashamed of his mother to make a real man. Such men are invariably selfish and mean.

Think of the humiliation and suffering of the slave mother, who has given all the best of her life to a large family, battling with poverty in her efforts to dignify her little home, and to give her children an education, when she realizes that she is losing ground intellectually, yet has no time or strength for reading, or self-culture, no opportunity for broadening her mental outlook by travelling or mingling with the world. But this is nothing compared to the anguish she endures, when, after the flower of her youth is gone and there is nothing left of her but the ashes of a burned-out existence, the shreds of a former superb womanhood, she awakes to the consciousness that her children are ashamed of her ignorance and desire to keep her in the background.

But no matter how callous or ungrateful a son may be, no matter how low he may sink in vice or crime, he is always sure of his mother's love, always sure of one who will follow him even to his grave, if she is alive and can get there; of one who will cling to him when all others have fled.

One of the saddest sights I have ever seen was that of a poor, old, broken-down mother whose life had been poured into her children, making a long journey to the penitentiary to visit her boy, who had been abandoned by everybody but herself. Poor old mother!

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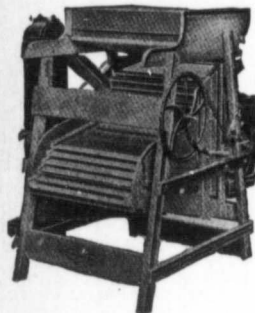
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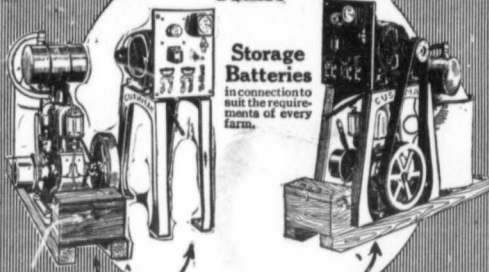
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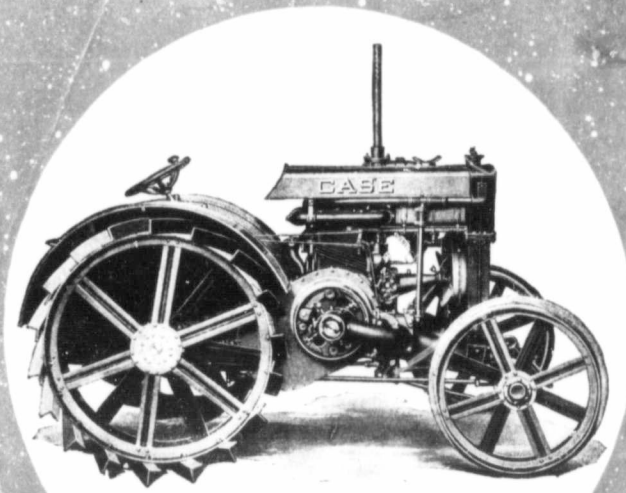
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