

MASSEY'S

ILLUSTRATED

A JOURNAL OF HARVESTING MACHINERY

The Massey Manufacturing Co. |

TORONTO, MAY, 1883.

| No. 5.

BRIEFLETS.

Our illustration, "The call for dinner" brings pleasant thoughts on familiar sounds. There is always a goodly measure of delightfulness in a call of this kind, whatever may be the agency, but what can give more music than the sound of the old-fashioned dinner-horn wafted over the fields and meadows by the balmy breezes of spring.

What is meant by the N. P.? Why, the National Popularity of our machines.

During the winter just passed Toronto has been bereft of three of her most prominent citizens, Jas. Michie, Esq., Judge Kenneth McKenzie, and Hon. John McMurrich. The Queen City can ill afford to part with such men.

It has always been our aim to be progressive, and the history of our establishment shows continued growth and advancement. Care has been given in adopting all the improvements and keeping abreast of the times.

Two cent letter postage goes into effect in the United States in October next. We suppose it will not be long before Canada will catch the (s)cent and return the compliment. Would it not be better to carry an ounce for three cents than to charge two cents for a half ounce.

The reason that a baggage man recently hurled himself from a fourth-story window was that he was insane, and thought he was a trunk.

The three popular M's—The Marquis of Lorne, Manitoba, and the Massey Machines.

A lady sent a note to the newspaper to get a recipe to cure whooping-cough in a pair of twins. By a mistake a recipe for pickling onions was unconsciously inserted, and her name attached; and she received this reply through the "Answers to Correspondents": "Mrs. L. H. B., if not too young, skin them pretty closely, immerse in scalding water, sprinkle plentifully with salt, and immerse them for a week in strong brine."

A procession of men passed through Main street the other morning, and were an hour and a half passing a given point. The given point was a saloon.

"I've got a message for you from Miss F——," said a waiter at a Newport hotel to a fashionable young Boston man who had been secretly congratulating himself on his fancied conquest of the heart of the young lady in question. "What is it?" he asked with great eagerness, slipping a fifty cent piece into the waiter's hand. "She says she'll give you \$5 to stop picking your teeth with a fork at the table."

RUBBING the head daily with a raw onion will make the hair grow again. Nature can stand a good deal, but when it comes to such treatment she throws up the sponge, and would start a crop of peacock feathers if the owner desired.

SPLINTERS.

It is said that the ordinary life of a bee is only ninety days. The end of a bee, however, is very lively.

It may be right occasionally to take a bull by the horns, but it is always well to keep in mind that the horns belong to the bull.

A western editor received a letter from a subscriber asking him to publish a cure for apple tree worms. He replied that he could not suggest a cure until he knew what ailed the worms.

Mr. H. A. Massey, the President of our Company, has been personally identified with the business for over thirty years.

The hides of all the cats in America would be worth \$10,000,000 to commerce. And it's a fearful shame to have so much property lying idle.

Mrs. Jenkins didn't present such a grand layout of food, but she contrived to have three fresh scandals trotted out during the afternoon, and somehow the sewing society went away impressed with the idea that Mrs. Jenkins was splendid at entertaining, and they had just had a lovely time.

It turns out that in his youth J. Gould was a poet. This is a bad item to circulate. It will encourage too many men to begin life by writing poetry.

No Reaping and Mowing Machine Establishment in Canada has age and experience equal to that of THE MASSEY MANUFACTURING CO.

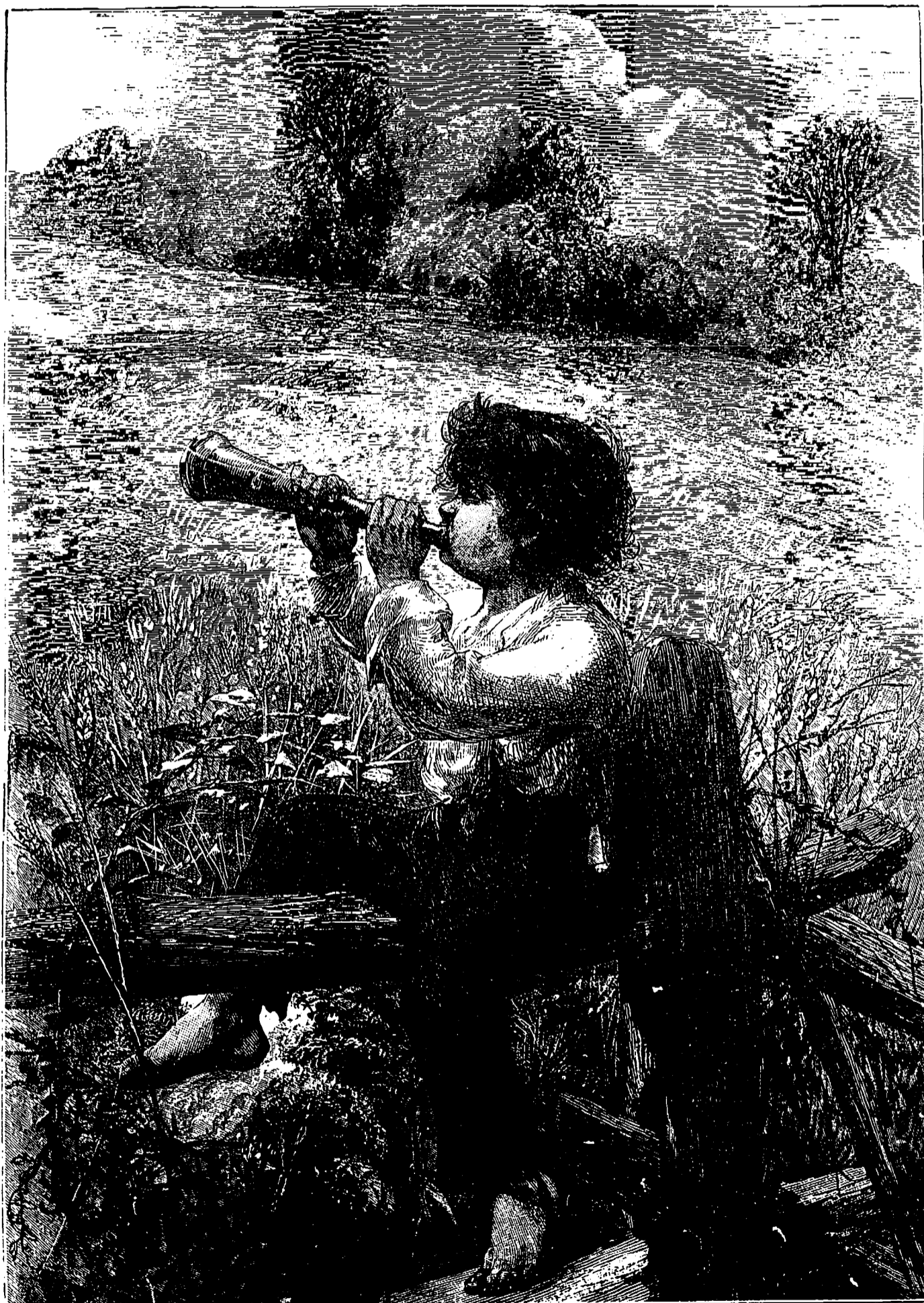
At a recent divorce the wife was asked a question to which she made the following reply: "When I first married I was so jealous of my husband that I thought every woman I saw wanted him, and now I wonder how I ever could have been such a fool as to have wanted him myself."

"What would you do if you were I and I were you?" tenderly inquired a young swell of his lady friend, as he escorted her home from church. "Well," said she, "if I were you, I would throw away that vile cigarette, cut up my cane for firewood, wear my watch-chain under my coat, and stay at home nights and pray for brains."

"Bob, what's steam?" "Boiling water." "That's

right—compare it." "Positive boil, comparative boiler, superlative burst."

A modest young man in New York advertises for board for the winter in a respectable family, where his Christian example will be taken in payment.



THE CALL FOR DINNER.

How husbands are caught—with the lass-o.

Whiskey drinking never conducted wealth into a man's pocket, happiness to his family, or respectability to his character—therefore whiskey is a non-conductor, and consequently it is best to let it alone.

-: THE :

MASSEY HARVESTER

PRONOUNCED BY ALL

THE QUEEN OF REAPERS!*Has the Largest Sale of any Reaper
in Canada.***SIMPLE,
LIGHT,
DURABLE.**

1883 is the sixth season for the Massey Harvester. This machine weighs about 800 pounds, and is a medium between the heavy, cumbersome machines and those of a light and flimsy texture.

It is very strong and substantial in every respect.

It cuts a full and wide swath.

The main frame is of wrought iron, of a single piece, surrounding the main driving wheel.

The gearing is neatly encased, to shield it from dirt and obstructions.

The pitman is placed on a straight line with the knife, which economises power and prevents the possibility of breaking knife heels, and avoids unnecessary strain upon the gearing.

The rake is driven directly from the master wheel by a universal joint connection, which imparts a very uniform, easy, and positive motion to the rakes. The operator can raise or lower the height of cut while the machine is in motion.

The driver has complete control of the machine without leaving the seat.

It is immense in saving lodged, tangled, or heavy grain.

There are *five brass boxes* on the Massey Harvester, all easily duplicated when required.

Read a few of the testimonials received in its favor.

A bachelor and a spinster who had been schoolmates in youth, and were about the same age, met in after years, and the lady chancing to remark that "men live a great deal faster than women," the bachelor returned: "Yes, Maria; the last time we met we were each twenty-four years old; now I am over forty, and I hear you haven't reached thirty yet." They never met again.

Meat Supply in Europe.

The figures demonstrate the fact that Great Britain and portions of continental Europe fall short of raising enough meat for home consumption. Notwithstanding the heavy immigration to America from these countries, their population is steadily increasing, while the number of cattle, hogs, and sheep is decreasing.

According to recent statistics the annual demand of four countries in Europe requires, in addition to their own production, the following quantities of meat to supply their wants: Great Britain, 654,000 tons; France, 235,000 tons; Germany, 100,000 tons, and Belgium, 75,000 tons, or a total of 1,064,000 tons. The countries which produce more meat than they require for their own consumption are as follows: Russia, with a surplus of 65,000 tons; Austria, 60,000 tons; Denmark, 44,000 tons; Greece and Roumania, 28,000 tons; Holland, 25,000 tons; Italy, 25,000 tons, and Spain and Portugal 20,000 tons, making a total of 267,000 tons. Allowing that this surplus all finds its way to those countries in which deficiencies exist—which is hardly probable—and there is a net deficiency of 767,000 tons to be imported from markets offering the best advantages, viz., the United States, Canada, and Australia.

Another item of some moment in this connection is that while the population of the four countries first named is steadily increasing, and the number of cattle, hogs, and sheep is steadily decreasing, the consumption of meat per head is also growing greater, adding to the increasing deficiency.

Mr. Hall has Used One 3 Years.

LIEURY, Ont., Jan. 4, 1883.

DEAR SIR, - I enclose the sum requested in payment of my notes.

I have had your Massey Harvester three years, and it gives perfect satisfaction. I cut over some of the roughest ground this year that I ever saw a reaper run on, and it went right through.

Yours, &c.,
ALFRED HALL.

Cut 300 Acres Without a Break.

TAMWORTH, Ont., Dec. 27, 1882.

The Massey Manufacturing Co.:

GENTLEMEN, - I bought one of your Massey Harvesters and a Toronto Mower from your agent, Jas. Byrnes. Our land is very rough and hilly. I cut the grain and hay that grew on 300 acres without a break of one cent's worth. I can recommend them to all farmers as the best in use.

Yours respectfully,
JAS. FARRELL.

A Word from Quebec.

CLARENCEVILLE, P. Q., Jan. 6, 1883.

To the Massey Manufacturing Co.:

DEAR SIR, - I have great pleasure in reporting that the Massey Harvester purchased of your agent, Seymour Salls, worked to my satisfaction, both in lodged and tangled grain.

R. COCHRAN.

ANDERDON, ONT., ESSEX CO.,
Nov. 27, 1882*The Massey Manufacturing Co.:*

GENTLEMEN, - The Massey Harvester I purchased from your agent, Mr. P. M. McQuaide, gives me great satisfaction. The first cutting I did with it was in a field of wheat which was very stout. The Massey went through it with perfect ease. My teams had comparatively little work this harvest compared with those of the past. The speed of the knife is just right, as I was well able to cut all kinds of grain without stopping or choking it. The draft is very light, and the whole machine very strong. It did not cost me one cent for repairs. I had serious doubts whether a reaper could work in such a crop as I had, but I was most agreeably disappointed when I saw the Massey Harvester at work. Gentlemen, I am well pleased with my purchase, and therefore recommend it to all intending purchasers.

Yours truly,
JAMES GIGNAC.

The Massey Manufacturing Company are the only Mower and Reaper manufacturers in Canada making their own knives and sections, ledger plates for guard fingers, teeth for horse rakes, machine-made bolts and hot-pressed nuts. This enables them to produce, as a rule, a better quality of material; being made by first-class tools and machinery, under their own supervision. They have one foreman specially detailed to superintend the knife and section department, a position which requires ability and skill of the highest order.

This is What Counts.

BLYTHE P. O., Huron Co., Dec. 25, 1882.

The Massey Mfg. Co., Toronto:

The Massey Harvester gives me good satisfaction; if you could only have seen the crop of oats I cut this year on ground that never was ploughed but once—there were knolls 3 feet high and holes as deep. I cut for my neighbor, who had a * * * * * Reaper which failed to do its work, but my machine went through it all right. He said he never saw a Reaper work as nicely. Nearly every machine around me was broken this year. I did not break any thing yet. The neighbors said it is the best Reaper they ever saw work. I cut wheat as heavy and foul as ever grew out of the ground. The machine is very handy to raise, lower, or tilt, light of draft, and has no side draft. I cut half way round a field without the neck-yoke, which will show that there is no side draft nor no weight on the horses' necks.

Yours truly,
IRA McMASTERS.

Montana claims to have 1,000,000 head of cattle grazing on her plains.

WOODSLEE, Essex Co., Jan. 5, 1883.

The Massey Manufacturing Co.:

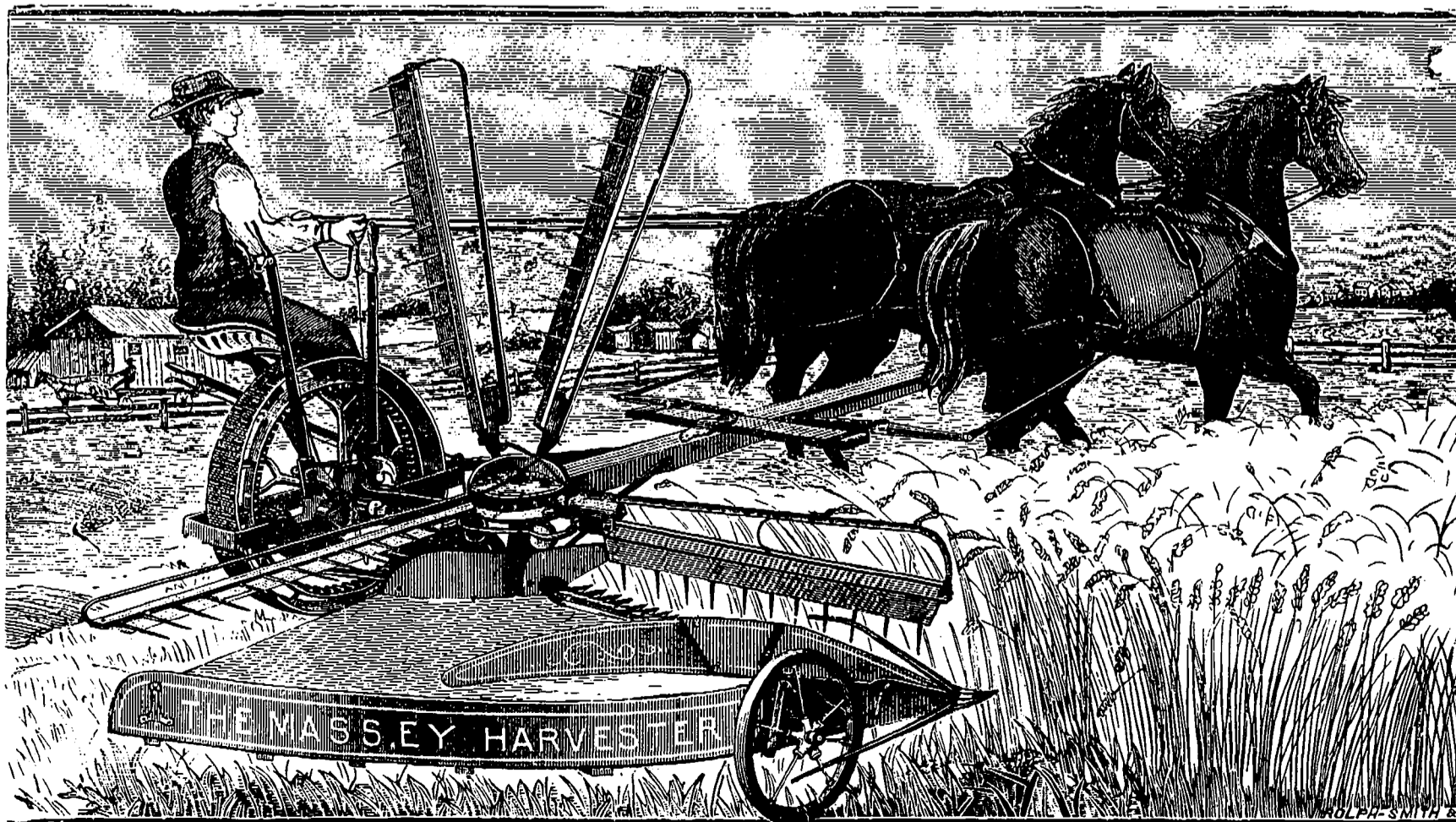
SIR, - I have used one of your Massey Harvesters two years, and have had the best of satisfaction. I have cut each year 100 acres of grain, and the machine has not cost me ten cents yet for breakages.

Yours truly,
ROBERT WRIGHT.

**A BOY 12 YEARS OF
AGE CUT MOST OF
HIS GRAIN.**Brook, Ontario Co.,
Jan. 12, '83*The Massey Mfg. Co.:*

Gentlemen, - I purchased last season from your agent Mr. W. H. Rundle, one of your Massey Harvesters and have much pleasure in testifying to its excellence of work, lightness of draft, simplicity of construction and ease of management. I had a boy twelve years of age cut most of my grain with perfect ease. My harvest men said they never found after any Reaper to equal it for laying a good sheaf in all kinds of grain. I recommend it highly to my brother farmers.

Yours, etc.,
J. A. SHIER.

**THE MASSEY HARVESTER - QUEEN OF REAPERS!**

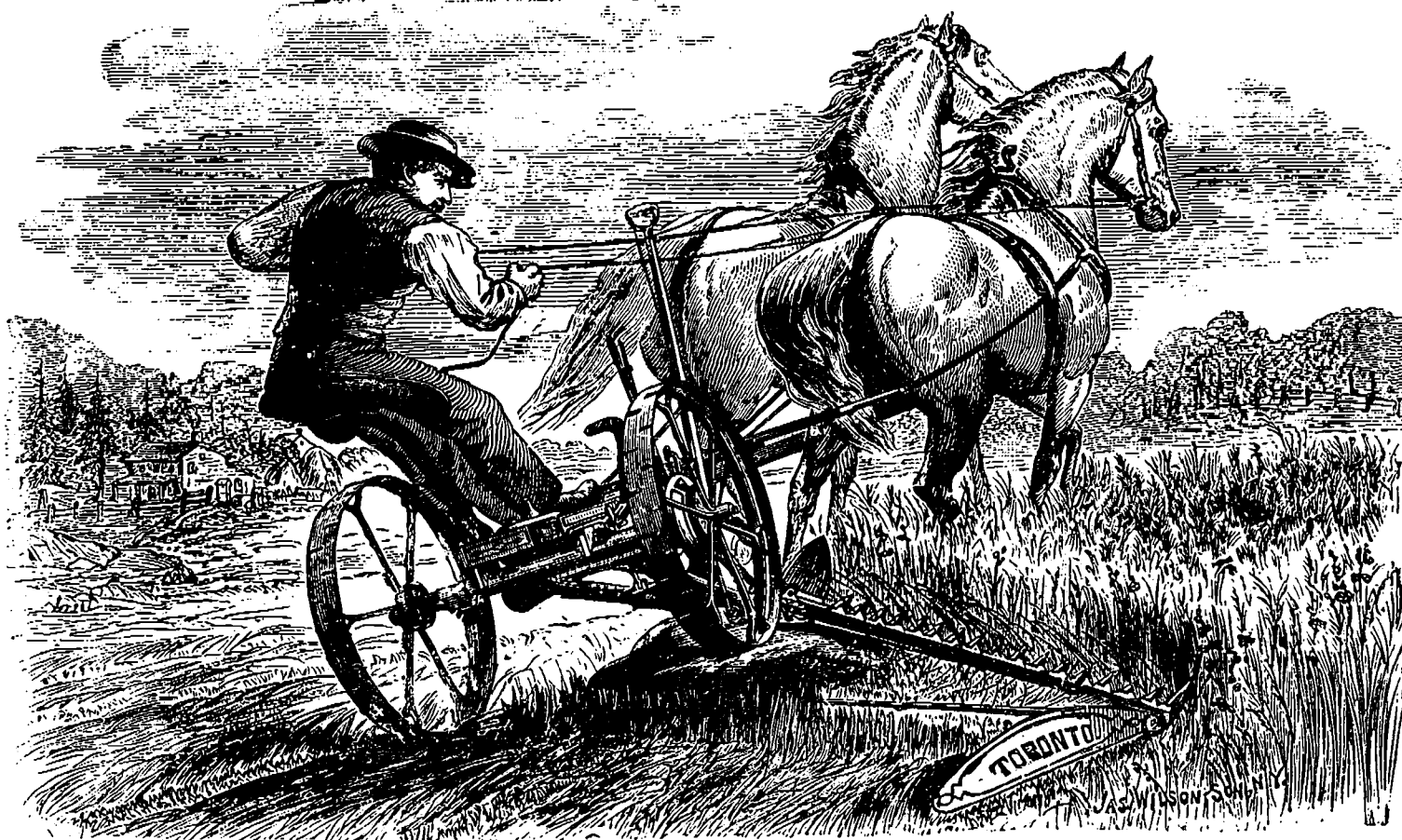
The Toronto Mower

Still carries the Colors:

The Most Popular Mower
in the Market!

UNEQUALLED IN
QUALITY,
SUPERIORITY
AND
DEMAND.

Over 9,000 Sold since 1877.
2,200 being made for 1883.



THE TORONTO MOWER IN THE FIELD.

The Draught of this Machine is very light ; in operation, it is noiseless, and its adaptation to various kinds of work most extraordinary. The operator has the most perfect control of the Machine when at work.

The Knife will run at any angle, and in any position in which it can be placed.

The Machine will work with equal facilities over stones, stumps, among trees, on heavy hill-sides, through gullies, over ridges, in swampy marsh, over bogs and wherever horses can travel, in the shortest and down grass, whether laying to or from the Machine, and in the tallest crop to be cut.

The Machine can be instantly adjusted while in operation, to cut low, take up lodged and very short grass, or to cut over rough grounds, anywhere it is desirable to cut the crop high, and both ends of the cutting apparatus may be carried entirely above the ground, at any distance from an inch to one foot.

Either end of the cutting apparatus may be lifted at pleasure, at any angle or position when cutting, to pass over cut grass or obstructions.

The Bar may be lifted up to a perpendicular position to pass a tree, to remove any lodgment or to free the guards.

The Machine can be instantly thrown out of gear and the bar quickly folded for transportation, without stopping the team.

The Machine can be put into working order in a moment's time, and without the operator leaving his seat or stopping the team.

One of the most distinguishing features of this Mower, is the New Mechanical Movement for producing the rapid reciprocating motion of the Knife with the least possible number of parts.

In Use Three Years and no Signs of Wear.

NORTH ELIX, P.Q., Dec. 5th, 1882.

Massey Manufacturing Co.:

GENTLEMEN,—I bought a Toronto Mower from your agent Wm. McEville, of Roxton Falls, P. Q., three years ago, and have used it on all kinds of rough and uneven land, and I consider it the best Machine made. No signs of wear yet.

WILLIAM JAMIESON,
Farmer.

By reason of its Light Draught and simplicity in construction, this Mower has rapidly become the Favorite.

ANDERDON, ONT., Nov. 28th, 1882.

The Massey Manufacturing Co.:

GENTLEMEN,—The Toronto Mower and Sharp's Horse Rake I purchased from your agent, Mr. P. McQuaide, have given the best of satisfaction, I cannot speak too highly in their favor.

Yours truly,
JOHN WARNER.

Both shoes on the Finger Bar, are malleable iron. The Guard Fingers are bolted on to the Bar and can be easily and quickly removed to repair or sharpen as desired.

The Guards are all alike upon the Bar, and upon any Machine, and are perfectly interchangeable.

WHY NOT SAVE MOTHER?

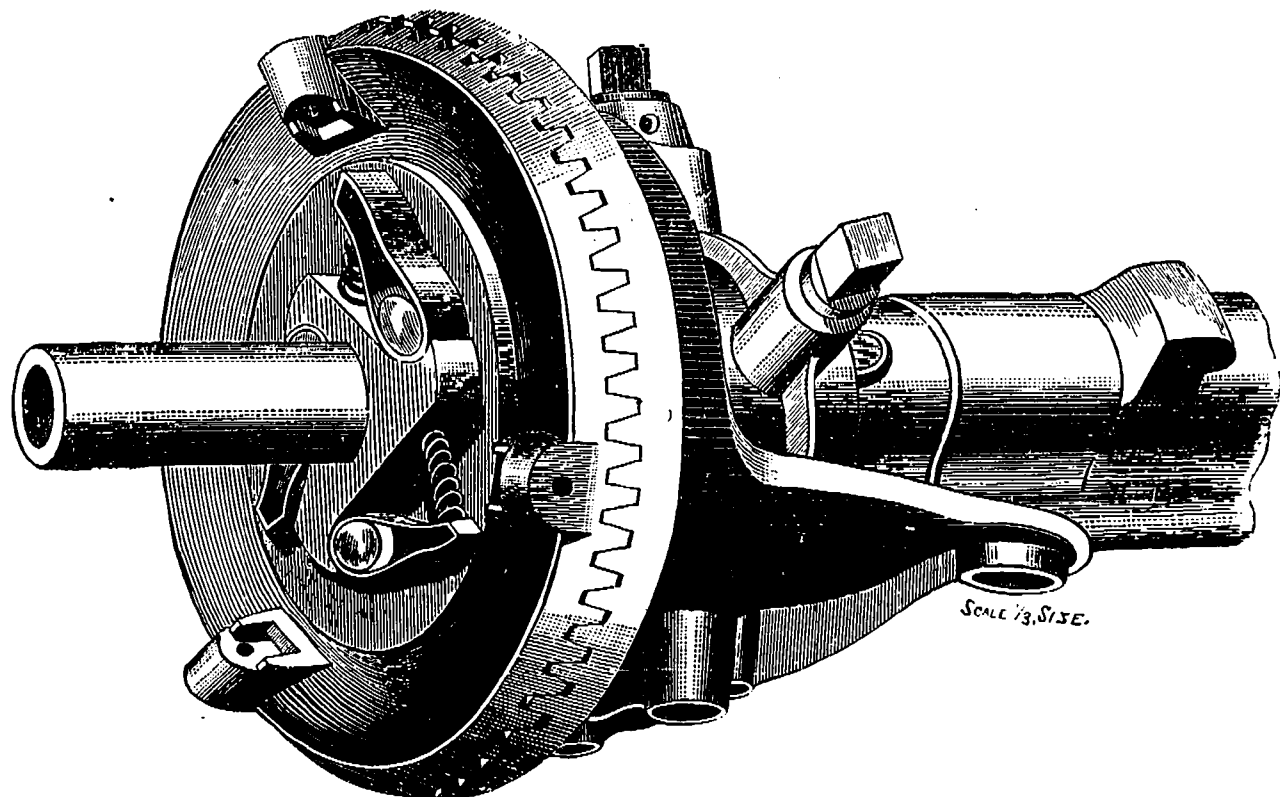
The farmer sat in his easy chair,
Between the fire and the lamplight's glare,
His face was ruddy and full and fair,
His three small boys in the chimney nook
Comed the lines of a picture book ;
His wife, the pride of his home and heart,
Baked the biscuit and made the tart,
Laid the table and steeped the tea—
Defly, swiftly, and silently ;
Tired and weary, weak and faint,
She bore her trials without complaint,
Like many another household saint—
Content, all selfish above,
In the patient ministry of love.

At last between the clouds of smoke
That wreathed his lips, the farmer spoke ;
"There's taxes to raise and interst to pay,
And if there should come a rainy day
'T would be mighty handy, I'm bound to say,
T' have something put by. For folks must die ;
An' there's funeral bills and gravestones to buy—
Enough to swamp a man, purty nigh ;
Besides, there's Edward an' Dick an' Joe
To be provided for when we go,
So, if I were you, I'll tell you what I'd do ;
I'd be savin' of wood as ever I could—
Extra fires don't do any good ;
I'd be savin' of soap, and savin' of ile,
And run up some candles once in a while ;
I'd rather be sparin' of coffee and tea,
For sugar is high
An' all to buy,
And cider is good enough drink for me ;
I'd be kind o' careful about my clo'es
And look out sharp how the money goes—
Gewjaws is useless, nater knows ;
Extra trimmin'
'S the bane of women.
I'd sell the best of my cheese and honey,
An' eggs is as good, nigh 'bout as the money ;
An' as to the carpet you wanted new—
I guess we can make the old one do ;
And as for the washer and sewin machine,
Them smooth-tongued agents, so pesky mean,
You'd better get rid of 'em slick and clean.
What do they know 'bout women's work,
Do they calkilate women was made to shirk ?"

Dick and Edward and little Joe
Sat in the corner in a row,
They saw the patient mother go
On ceaseless errands to and fro ;
They saw that her form was bent and thin.
Her temples gray, her cheeks sunk in ;
They saw the quiver of lip and chin—
And then, with a wrath he could not smother.
Outspoke the youngest, frailest brother :
" You talk of savin' wood an' ile
An' tea an' sugar all the while,
But you never talk of savin' mother!"

" Uncle Ben," said old Bob, " Here's dat \$10 what yer lent me about a year ago." " Brudder Bob, I is greatly surprised at de course what yerself is now takin." " Fore de Lawd I neber spected ter git dat money again, an 'I'd dun thought dat I had gin de money ter yer." " Ef dat's de case, Uncle Ben, I'll jes put it back inter my pocket. I always make it a rule neber to disappoint a man."

Daniel Murphy, who died at Hancock, Mo., recently, was the largest landowner in the world. He owned 200,000 acres in Nevada, 6,000,000 in the State of Durango, Mexico, and large tracts in Arizona and California, all devoted to stock raising.



Examine the Mechanical Gear used only on the Toronto Mower and Reaper.

THE MACHINES

MADE BY THE

MASSEY MANUFACTURING CO.

- Are very light in draft and very durable;
- They are immense in saving Down Grain and Grass;
- They are easily operated and handled;
- They are regulated instantly to suit the grain or grass;
- They are free from weight on the horses neck;
- They are easily taken apart and put together;
- They are very substantially built, and
- They are thoroughly guaranteed.

Good Advice on Borrowing Tools.

Dr. Franklin once said with a good deal of truth, that "he who goes a borrowing goes a sorrowing;" but I have found by experience that "he who goes a lending has annoyance unending." All my nearer neighbors who lived in a village once borrowed my square harrow to work their gardens, until one day I found that six teeth were gone. I then told them that I would continue to lend it on condition that every borrower should replace one tooth till all were restored. Some got mad, others went away and said nothing, and only one agreed to the terms. But the worse case of the above mentioned "annoyance," was described at a late meeting of the Elmira Farmers' Club. Mr. Armstrong said he bought a mowing machine many years ago, but before he hitched the horses to it a borrower came. He took it, and it went from place to place until half its value was lost—and in fact, Mr. Armstrong said he sold it for just half its first cost, without having used it a single time—and made a good bargain. In some neighborhoods this evil is much worse than in others, and neighbors think they have the first right to a tool, and the owner the second chance. Some never bring the things home, and often the whole neighborhood is searched to know who has it. The only thanks which the owner sometimes gets is in the shape of a rebuke for lending a tool which has some defect about it, and for which he ought to get it mended and pay for the work—ready to lend again. I could tell a great many more cases. Now, is it not the duty of every good farmer to use all the influence he can to break up this wretched custom. I offer no other suggestions; each one must decide on the best way to do it.—*Cor. Country Gentleman.*

A Father Who Melted.

The other evening a citizen of Detroit beckoned to his twelve-year-old son to follow him to the woodshed, and when they arrived there he began:
 "Now young man, you've been fighting again! How many times have I told you that it is disgraceful to fight?"
 "Oh, father, this wasn't about marbles or anything of the kind," replied the boy.
 "I can't help it. As a Christian man it is my duty to bring up my children to fear the Lord. Take off your coat."
 "But, father, the boy I was fighting with called me names."
 "Can't help it. Calling names don't hurt anyone. Off with that coat?"
 "He said I was the son of a wire-puller."
 "What! what's that?"
 "And he said I was an office-hunter."
 "What! what loafer dared make that assertion?"
 "It made me awful mad, but I didn't say anything. Then he called me a hireling."
 "Called me a hireling! Why, I'd like to get my hands on him!" puffed the old gent.
 "Yes, and he said you was a political lick-spittle!"
 "Land o' gracious! but wouldn't I like to have the training of that boy for about five minutes!" wheezed the old man, as he hopped around.
 "I put up with that," continued the boy, "and then he said you laid your pipes for office and got left by a large majority. I couldn't stand that, father, and so I sailed over the fence and licked him bald-headed in less'n two minutes! Thrash me if you must, father, but I couldn't stand it to hear you abused by one of the malignant opposition."
 "My son" said the father as he felt for half a dollar with one hand and wiped his eyes with the other, "you may go out and buy you two pounds of candy. The Bible says it is wrong to fight, but the Bible must make allowance for political campaigns and the vile slanders of the other party. I only brought you out here to talk to you, and now you can put on your coat and run along."
Detroit Free Press.

The Sweet Country Cousins.

BY P. W. KELLY.

How dear to the heart are the sweet country cousins,
 When dog-days of summer begin to draw near;
 When bricks have grown hot, and when sunstrokes by dozens
 Fill body with anguish and bosom with fear!
 The green waving fields, the sweet-smelling breezes,
 The 'scaping from turmoil to quiet and calm,
 The rich creamy milk which the ready hand seizes,
 And e'en the brown cousins who live on the farm;
 The plain country cousins, the uncultured cousins,
 The sweet country cousins who live on the farm.

The sweet country cousins! O, arn't they a treasure?
 How handy to love at the vacation time;
 And paying one's board is too costly pleasure,
 When all can be had without spending a dime.
 How pleasant to live on rich cream and ripe berries,
 Fresh golden-hued butter, and cakes light and warm;
 Free use of horses, the carts and the wherries,
 Of sweet country cousins who live on the farm!
 The plain country cousins, the uncultured cousins,
 The sweet country cousins who live on the farm!

How dear are the sweet country cousins in summer!
 How fragrant the meadow, romantic the down!
 But straightway your faces begin to grow glummer
 At thoughts of their visit next winter in town;
 The theatre, the concert, the lecture, the money
 Expended in tickets!—the thoughts gives a qualm;
 The sequel of summer is not quite so funny—
 Why don't the sweet cousins remain on their farm?
 The brown-visaged cousins, the great awkward cousins,
 The clod-hopper cousins should stay on their farm!

OUR RAKE PYRAMID!

1874	350	1874
1875	1,000	1875
1876	1,200	1876
1877	1,500	1877
1878	2,000	1878
1879	2,150	1879
1880	3,000	1880
1881	3,200	1881
1882	4,000	1882
1883	4,200	1883
TOTAL - 22,600		

See the figures and note the cause.

NOTE.—For several years prior to the year 1875 we also manufactured another style of Horse rake which we subsequently discarded, finding Sharp's Rake so much superior.

"Does papa kiss the cat mamma?" asked a little five-year-old. "Why do you ask that, my child?" "Because when he was coming down stairs the other day he gave Aunt Mary a smack, and said to her 'that's better than kissing that old cat upstairs, isn't it?'"

HEADS OF THE PRINCIPAL NATIONS OF THE WORLD.

GOVERNMENT.	RULER.	DATE ACCESSION
Great Britain and Ireland.....	Victoria I.....	June 20, 1837
United States.....	Chester A. Arthur.....	September 20, 1881.
Germany.....	William I.....	January 18, 1871.
France.....	Jules Grévy.....	
Italy.....	Humbert I.....	January 9, 1878.
Russia.....	Alexander III.....	March 13, 1881.
S. eden and Norway.....	Oscar II.....	September 18, 1872.
Denmark.....	Christian IX.....	November 15, 1863.
Belgium.....	Leopold II.....	December 10, 1865.
Switzerland.....	Numa Droz.....	January 1, 1861.
Spain.....	Alfonso XII.....	December 30, 1874.
Portugal.....	Louis I.....	November 11, 1861.
Greece.....	Georgio I.....	June 6, 1862.
Netherlands.....	William III.....	March 17, 1849.
Turkey.....	Abdul Hamid Khau.....	August 31, 1876.
Brazil.....	Pedro II, Alcantara.....	April 7, 1831.
Japan.....	Mutsu Hito.....	February 13, 1867.
China.....	Kwong Shu.....	January 12, 1875.
Egypt.....	Towfik Paoha.....	June 26, 1879.
Mexico.....	Manuel Gonzalez.....	December 1, 1880.

Fruits in Russia.

The Montreal Journal of Agriculture publishes a letter from Charles Gibb, giving an account of his examination of Orchards in Russia, which endure the intense cold of forty or more degrees below zero in winter. Moscow is rather north of the limits of successful fruit culture, most of the trees in the fruit gardens having been killed by an unusually cold period, the thermometer during one whole week having stood between 40 and 44° below zero, Fah. This place is ten degrees farther north than Montreal. On the west bank of the Volga, in the same latitude, there are twelve villages where apples are grown in quantity for the markets of Nijni and Kazan. Sometimes \$50,000 worth have been sold from this coldest orchard region in the world, the fruit being borne on bushes rather than trees, grown in small clumps of two or three together, the clumps twelve feet apart each way. Mr. Gibb found the orchards in heavy bearing. They had on one occasion withstood without injury a temperature of 58° below zero. They are of a type termed the "Annis," hardier than the Alexander and Duchess, and are slow crooked growers, and he thinks they would succeed in Manitoba. A little farther south were many thousand pear trees, the fruit unfit for eating either raw or cooked, but probably affording good stocks for grating. There were some, however, of the Bergamot type which were sweet and free from astringency. A species of the plum grown in that region and southward is plentiful in all the town markets, the bushes being heavy bearers. Their colors are red, blue and white, and Mr. Gibb thinks them nearly as good as the Lombard, but on this point it may be difficult to judge after one has been long deprived of the finer sorts. He thinks the best Russian apples have already been sent to this country.

Several degrees further south on the Volga, and in the regions about Saratoy, an apple orchard of 12,000 trees was seen, which had employed 300 pickers and 85 packers, and had sent an amount equal to a thousand tons of fruit to Moscow. In the country east of Moscow, there are districts where the chief commercial industry is cherry culture. These cherries are rather large in size, and nearly black and almost sweet when ripe. Mr. Gibb pronounces them much better than the Kentish, but on this point it is obviously difficult to decide with none at hand for comparison. Some proprietors have 10,000 trees or rather bushes, and entire carloads of the fruit are often sent to market. This cherry may be valuable in the far north in this country.

INTERESTING TABLE.

Showing the distances traveled by a team in cutting over an acre of ground with a mower.

Width of Cut of Machine	Miles traveled in Cutting an Acre.	Acres Cut in Days Travel of 16 Miles.
3 feet.	2 3/4	5 1/2
3 1/2 "	2 3/8	6 1/2
4 "	2 1/4	7 1/2
4 1/2 "	1 7/8	8 3/4
5 "	1 3/4	9 1/2
5 1/2 "	1 1/2	10 1/2
6 "	1 1/8	11 3/4

It will thus be seen that a mowing Machine travels about 30 miles in an average day's cutting.

TYENDINAGA, January 1st, 1883.

To the Massey Manufacturing Co.

GENTLEMEN,—The Massey Harvester I bought from your agent here has given perfect satisfaction in heavy and light grain, and on all kind of ground, for I used it on some I did not think a Reaper could work on.

Wishing you every success.

I remain, yours,

THOMAS HODGIN.

The Largest Factory in the World.

The largest factory in the world is that of Herr Krupp, of Essen, in Germany, whose workshops and grounds now occupy 1,000 acres, the workshops alone standing on 190 acres. He has now in his employ a staff of thirty-one thousand men.

Mr. Wm. Buckley writes us from Tyendinaga under date of Jan. 2nd, 1883, as follows:—"I am well satisfied with your Massey Harvester, and consider it the most easy to handle and most durable in the market."

The extension of the Works of the Massey Manufacturing Company in the Fall of 1882, comprise more than their entire premises at Newcastle in 1879, at the time of their removal to Toronto.

Don't be so long making up your mind to buy a machine as to put it off so late that none can be had, as many did last year. The best time to buy is now.

PERCY, Northumberland Co., Jan., 1883.

Massey Manufacturing Co., Toronto:

SIR,—I have used the Sharp's Rake manufactured by you, for two years, with the best satisfaction, and conclude they are superior to any other in the market.

JAMES FLEMING.

THE MASSEY MOWER

IMPROVED FOR 1883.

INCREASING IN FAVOR!

Five Years before the Public!

The demand never yet supplied!!

1,000 BEING BUILT FOR 1883.

Great Capacity,
Light Draft,
Easy of Management.

This Mower has been greatly improved for the coming harvest; and in again placing it before the Canadian farmers, we feel confident that it will meet with increased favor. So popular has this mower become since its introduction five years since that even with our great facilities we have never yet been able to supply the demands. With its improved tilting apparatus, it is well adapted for cutting heavy, lodged and twisted grass, and will work well over rough and uneven ground. The draft is very light and it is very easy of management.

It is built of the very best material.

It has a strong iron frame with new enclosed gear and has no gear in the drive wheels.

The cutting apparatus is constructed with steel cutter bar, malleable iron shoes and guards, all faced with hardened steel plates, which may easily be removed and replaced at a small cost when worn out. The guards have milled fittings, very accurate and each bolted to the cutter bar by a single strong bolt, and can be quickly removed to repair or sharpen.

The knife is constructed with the extension of the section projecting in rear of the knife back, for the purpose of supporting the knife, independent of the back and holding the cutting edge close to the guard plate, this gives to the knife and guards a perfect shearing motion.

The heel of the knife is of malleable iron and is riveted to the back in such a manner that in case of wear or breakage it can easily be replaced by a new one with but little trouble or expense.

In simplicity, strength, durability, ease of management, lightness of draft capacity, quality of work, adaptability to any and all kinds of crops and surface in all these essential features of a first-class machine, the Massey Mower is unexcelled.

Large Cities and their Population.

London, England.....	3,814,571
Paris, France.....	2,225,900
New York, U. S.....	1,206,299
Berlin, Prussia.....	1,122,360
Vienna, Austria.....	1,003,857
St. Petersburg, Russia.....	861,900
Philadelphia, U. S.....	847,170
Tokio, Japan.....	811,510
Bombay, India.....	753,000
Calcutta, India.....	683,458
Moscow, Russia.....	601,969
Brooklyn, U. S.....	566,663
Liverpool, England.....	552,425
Glasgow, Scotland.....	517,532
Chicago, U. S.....	503,185

Ye Skeptical Hear What Mr. Jones Says.

February, 1883.

The Massey Manufacturing Co.:

GENTLEMEN,—After trying other mowers made in Canada, I gave the Massey a trial, and after doing so, I am convinced it is the best Mower I ever had on my farm. The draft is very light, and it has no side draft whatever. It is very easy to manage and works well on rough ground. In fact I consider it is the best Mower ever introduced into our section.

Yours truly,

E. W. JONES.

Every Machine we turn out is thoroughly tested and run by power before it leaves the Factory. This makes the starting in the field an easy task.

Good Words from County of Simcoe.

STAYNER, January 8th, 1883.

The Massey Manufacturing Co.:

GENTLEMEN,—The Massey Mower which we purchased from your agent, S. Coborn, last season, gives entire satisfaction, and we can highly recommend it to any parties wanting a first-class machine.

JOSEPH TAYLOR, Stayner, P. O.

WILLIAM GLENN,

THOMAS KAITING, Brentwood.

Every part of our Machines is carefully made and fully guaranteed.

HOUSEWIVES will tell you that buttermilk has healing qualities. It is frequently used to heal ulcers. It is softening and soothing to the flesh, and has certain cleansing qualities. The fresher it is, the better.

A four-year-old Welsh cow, the pick of a herd, sold the other day in England for the extraordinary price of \$1,750.

What makes a valuable Horse?

WHAT MAKES A HORSE VALUABLE? D. F. G. Des Moines, Iowa, says: It is surely not the shape only, that makes the horse valuable. Handsome horses are found everywhere; but what of their action? The handsomest horse ever foaled, without any action, would be looked upon as a mere flat catcher. It is action which will sell a horse to one capable of judging. Many an ugly brute that is not worth fifty dollars by his appearance, is worth five times that amount when seen to go. It is not the handsome horse which realizes thousands in dollars as a trotter. It is the action which he possesses on the track or on the road. It is not a handsome horse that will trot his sixteen or eighteen miles an hour in a buggy; it is the horse with action. It may be asked what kind of action it is which will command so much money, and so much admiration. It is not sufficient for an animal to look well made, and be well proportioned. Very few of us are capable of stating to a nicety what action he possesses from appearance only. We may and do sometimes, make a tolerably good guess after looking a horse over. It is often remarked that such a one ought to go. It is a very common thing to meet an animal with fair front action, and *vice versa*. Of the two as a roadster, it is preferable to select one with fair front action than the reverse.

The Massey Mowers Well Known in the Province Quebec.

STANLEY, P. Q., 1883.

The Massey Manufacturing Co.:

I purchased a Massey Mower from your agent, A. M. Stone, two years ago, and I think it the best in the market. It is light in draft, and has no side draft, and it is strong and durable; and the tilting arrangement unexcelled, for rough and stony land, it is the best I ever used, and I think it can't be recommended too highly.

SMITH TAYLOR.

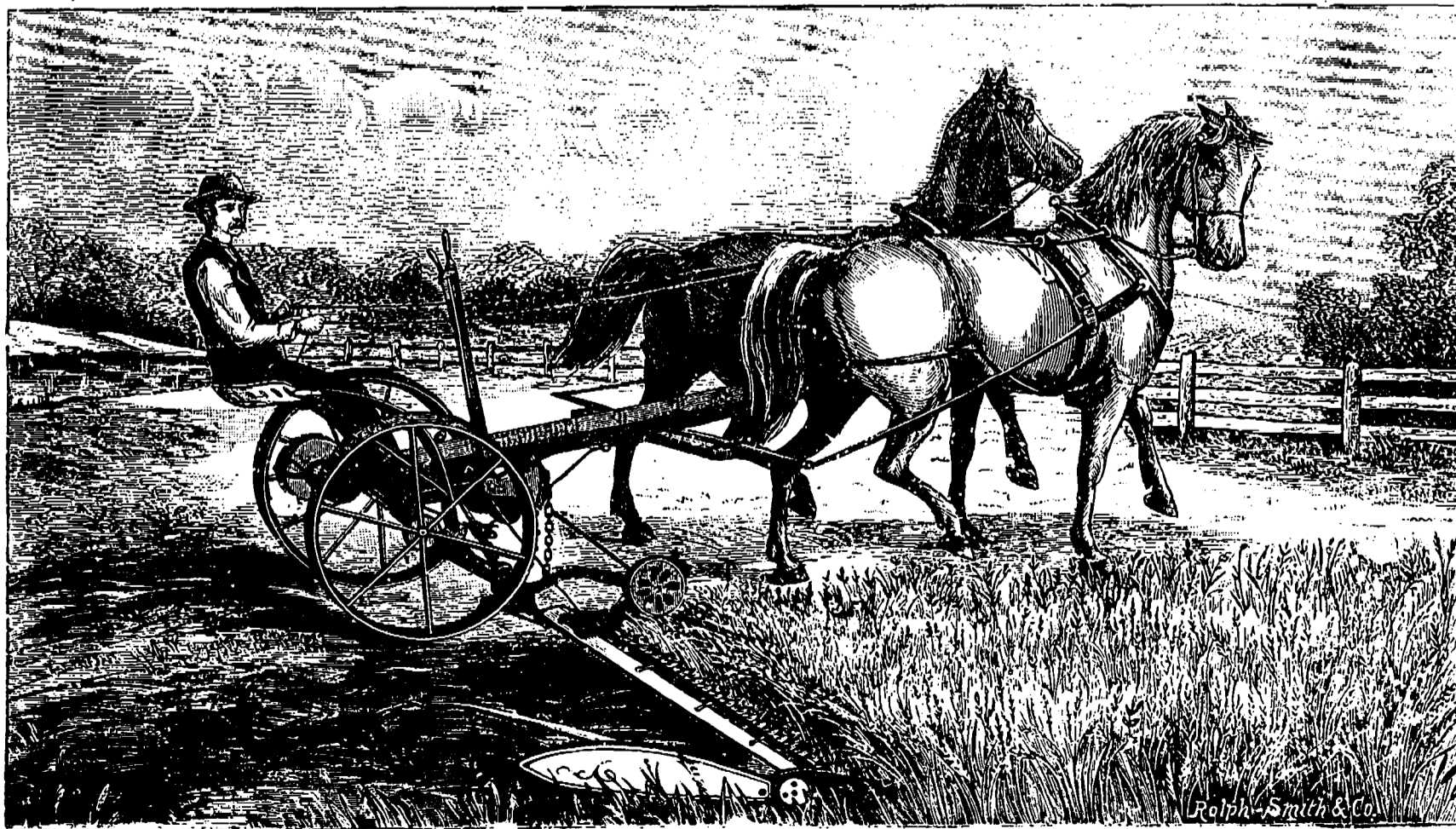
THERE appeared to be some irresistible force endeavoring to impede his progress, as he would shakily advance a step or two, and then execute a retrograde movement, bringing up at the starting point. He was undoubtedly as drunk as a lord, and the ground appeared to roll beneath him like unto the ocean's restless waves. All at once he was seen to reel, endeavor to catch himself, and then sink heavily in a heap on the pavement, and when the bystanders ran to his assistance, he said: "Atsh sheverest shock fan earthquake ever sperienshed, 'n I've bin on ish coast since '50. Mustch damage done, y' reckon?"

MR. JOHN FLEMMING, of Maryborough Township, Wellington Co., and MR. JAMES H. KITELEY, of Township of Peel, County of Wellington, give us unqualified testimony in favor of the MASSEY MOWER, they each having purchased one through our Agent, Mr. John Gregory, last season.

The wives of Professor Morse, the inventor of the telegraph, and Professor Bell, the inventor of the telephone, were both deaf mutes. This only goes to show what a man can do when everything is quiet.

Why is the moon like a drunken man? Because it commences with two horns and goes on 'till its full.

WEIGHT 600 POUNDS.



WIDTH OF CUT, 4ft. 3in.

THE MASSEY MOWER—A LITTLE GEM.

MASSEY'S ILLUSTRATED.

A Journal of Harvesting Machinery.

Massey's Illustrated will be mailed free to any one sending his address.

PUBLISHED BY

**THE MASSEY MANUFACTURING CO'Y,
TORONTO, ONTARIO.**

MAY, 1883.

Circulation - 30,000 Copies.

WE have had a solid old winter of the right sort. Lots of snow, plenty of cold, and business lively.

WHEN is it dangerous to go into the country? When the trees begin to shoot and the bul(l)rush(es) out.

WE have recently made a shipment of Machines and rakes to New Zealand. Our products may also be found in England, Ireland, Germany and Russia.

HE knew it was April 1st, and he didn't propose to be fooled, and when they told him his chimney was afire and likely to burn the house, he said: "Let her burn." And they did. No insurance.

OUR Factory is the best situated of any like establishment in Canada, being easy of access from all parts, and having exceptional advantages for the securing of workmen and stock, and shipping of goods.

THE "Illustrated Champion," in speaking of the Massey Manufacturing Company, says: "It is a strong organization, equipped with larger buildings and more complete machinery than any other manufacturing concern in the Dominion."

AMONG the welcome visitors to our office are "The Cultivator and Country Gentleman," and "The Prairie Farmer," enterprising weeklies devoted to the interests of Agriculture, and published respectively at Albany, N. Y., and Chicago, Ill.

A music teacher entered the parlor where he met his lady pupil whom he fondly embraced. A little sister happened to be present and rushed to her mother, exclaiming, "Mamma, what has Susie been doing? her teacher is choking her to death."

THE Massey Manufacturing Company has a band of music containing twenty performers, all of whom are employees of the Company. They are well equipped with a variety of instruments and supplied with full uniform. Their last annual concert was a fine success.

SOME farmers will content themselves with an inferior Horse Rake, while they are more careful in the selection of a Mower or Reaper. While the latter is highly important, the former should not be treated indifferently. It is better to buy a well-trying and nationally popular Rake than to purchase a poorer article simply because it can be bought nearer by and perchance a few dollars cheaper.

It would be well for you if you are supplied with machines, to give them a thorough going over and see what repairs are needed for next season's work. As it is with a mule so with time, better take it by the forelock, and get your harvesting machinery in thorough working order before the summer months—better for the manufacturer and better for the farmer.

WE call attention again to methods of forwarding money to our office. Once in a while we get a letter enclosing money without a line to tell who it is from or what it is for. Parties remitting should also remember that a Post Office Order is not a receipt for money, but should be forwarded to us, for without it we cannot draw the funds. Give carefully your name and address, and state accurately the amount and for what the payment is made.

THE office of the Massey Manufacturing Company has immediate telegraphic connection with all parts of the country by the wires of the Montreal and Dominion Telegraph Companies (now the Great North-Western Telegraph Company of Canada), a competent operator being specially detailed to attend solely to our own private and extensive business. We have also direct communication with all parts of the city by telephone.

ANY one going through the country in the spring-time can easily determine who are the thrifty farmers, by a glance at the farm. If the fences are in a dilapidated condition, the farm yards full of rubbish and the implements scattered about the premises, the conclusion is at once formed that the owner is a shiftless farmer. It is just as easy farming to keep things in good order as it is to allow everything to take care of itself. Let the Spring open with clean yards, tidy outhouses, a good supply of paint and fences well secured.

MR. Arthur Bryant, Sr., known far and wide as "Father Bryant," an eminent Horticulturist, died at his home in Princeton, Ill., on February 6th. An American exchange thinks the following lines from the pen of his brother, William Cullen Bryant, well suited to the life of "Father Bryant":—

"So live that when thy summons comes to join
The innumerable caravan that moves
To the pale realm of shade, where each shall take
His chamber in the silent halls of death,
Thou go not like the quarry slave at night,
Scourged to his dungeon, but sustained and soothed
By an unfaltering trust, approach thy grave
Like one who wraps the drapery of his couch
About him and lies down to pleasant dreams."

Mr. W. Brown, Manager of the Ontario Agricultural College at Guelph, writes us under date of 13th Feb., '83, "We have used a Toronto Mower since 1879 with much satisfaction."

THE MASSEY MANUFACTURING CO.

FIRST Manufacturers of Self-Rake Reapers.
FIRST to make a Sulky Horse Rake.
FIRST in the number of Machines made.

We draw attention to our illustration of the Toronto Cord Binder, found on the opposite page. The machine is plunging into the grain as though nothing could arrest its progress or overcome its efficiency. No expense has been spared to adapt the Toronto Cord Binder to the growing wants of the Canadian farmer, and we congratulate ourselves on its achievements in the past, and what is promised for the coming season. The beauty and finish of the cut on page seven is without a superior. Two horses only are shown, which are sufficient on some farms where the grain is light and the ground smooth, but where circumstances are the opposite three horses are better.

WHERE TO BUY.

Where to buy is a query among many farmers who are unacquainted with the different manufacturers and the machines they make. Bewildering it is to the purchaser, when half a dozen or more agents each tell him that his are the best machines and possess points of preference that all the others have not. If every farmer were a genuine mechanic it would be comparatively easy for him to decide what machine to buy. But as this is not the case he must rely mainly on three things:—First, the character and reputation of the firm with which he is asked to deal. Second, the testimony of others who have used the machines he is asked to purchase—and Thirdly, the honesty of the man who solicits his patronage. Unscrupulous agents, canvassers whose principle stock-in-trade is to "run down" other machines, and manufacturers who will sacrifice principle in order to effect a sale, should be shunned by every farmer.

If the true merits of the machine and the manufacturer will not bring in the orders nothing else should.

We refer the enquiring purchaser to our patrons all over the country for a verification of our claims as to the superiority of our machines, and our reputation as manufacturers.

Sharp's Horse Rake.

Our terms: "No Equal or no Sale."

TURN OUT FOR 1883—4,200.

The following gentlemen authorized us to record their unqualified testimony in favor of the Sharp's Rake. They all purchased last season:

SAMUEL JOHNSTON,	Township of Peel. Co. of Wellington.
GEORGE POWLEY,	" " "
REUBEN DOWNEY,	" " "
ROBERT JOHNSTON,	" " "
WILLIAM OWENS,	" " "
CHARLES MAYNES,	" " "
HENRY F. STURDRIDGE,	" " "
F. ENGLISH,	" " "
WILLIAM DALEY,	" " "
JOAN BELL,	Maryborough, "
JOHN BARRY,	" " "
WALLACE FAREWELL,	" " "

The Massey Harvester.

The most popular Reaper in Canada

2,000 BEING MADE FOR 1883.

SCOTT, Ont., Co., Feb. 20th, 1883.

The Massey Manufacturing Co.:

GENTS.—We bought one of your Harvesters from Mr. John Galloway, of Uxbridge, and after cutting the crop on two farms, some of which was very rough and stumpy must say that we had no breaks or delays of any kind. The Reaper worked to our entire satisfaction, and we would willingly recommend it to any person in need of a Reaper, as the best we have seen.

Yours respectfully,

THOS. CURL,
HARRY CURL,
Zephyr P.O.

The Toronto Mower.

Width of Cut, 4ft. 3in. Weight 600 lbs.
New Mechanical Gear.

ROXTON FALLS, Que., Dec. 1st, 1882.

Mr. McEvilla:

DEAR SIR,—The Toronto Mower from the Massey Manufacturing Co., that I bought of you, I am happy to say, has given perfect satisfaction, and for working on uneven ground it cannot be beat.

HENRY CHEVRIER.

The Toronto Binders.

1,000 MAKING FOR 1883.

THIRD SEASON.

*They cut over 150 acres of crop,
And everything went as nice as a top;
They cut and bound barley which was badly laid,
But the work that it did was of a very high grade.*

PLUM CREEK, Man., Oct. 11th, 1882.

To the Massey Manufacturing Co.:

GENTLEMEN,—We have great pleasure in informing you that we have this season cut over 150 acres of crop with your Toronto Self-Binder, and never had the least trouble in working it. It was well tried in barley which was badly laid, and it did its work most admirably. We also cut over 300 tons of hay with your Massey Mower, and put it together with the Sharp Rake, but these two articles are so well known that it is unnecessary to say anything in praise of them. We shall most probably require two more Binders for next year's work.

Yours faithfully,

RICHARD B. KIRCHHOFFER.
A. J. JAMESON.

The Massey Mower.

Its Fifth Season—A Little Gem.

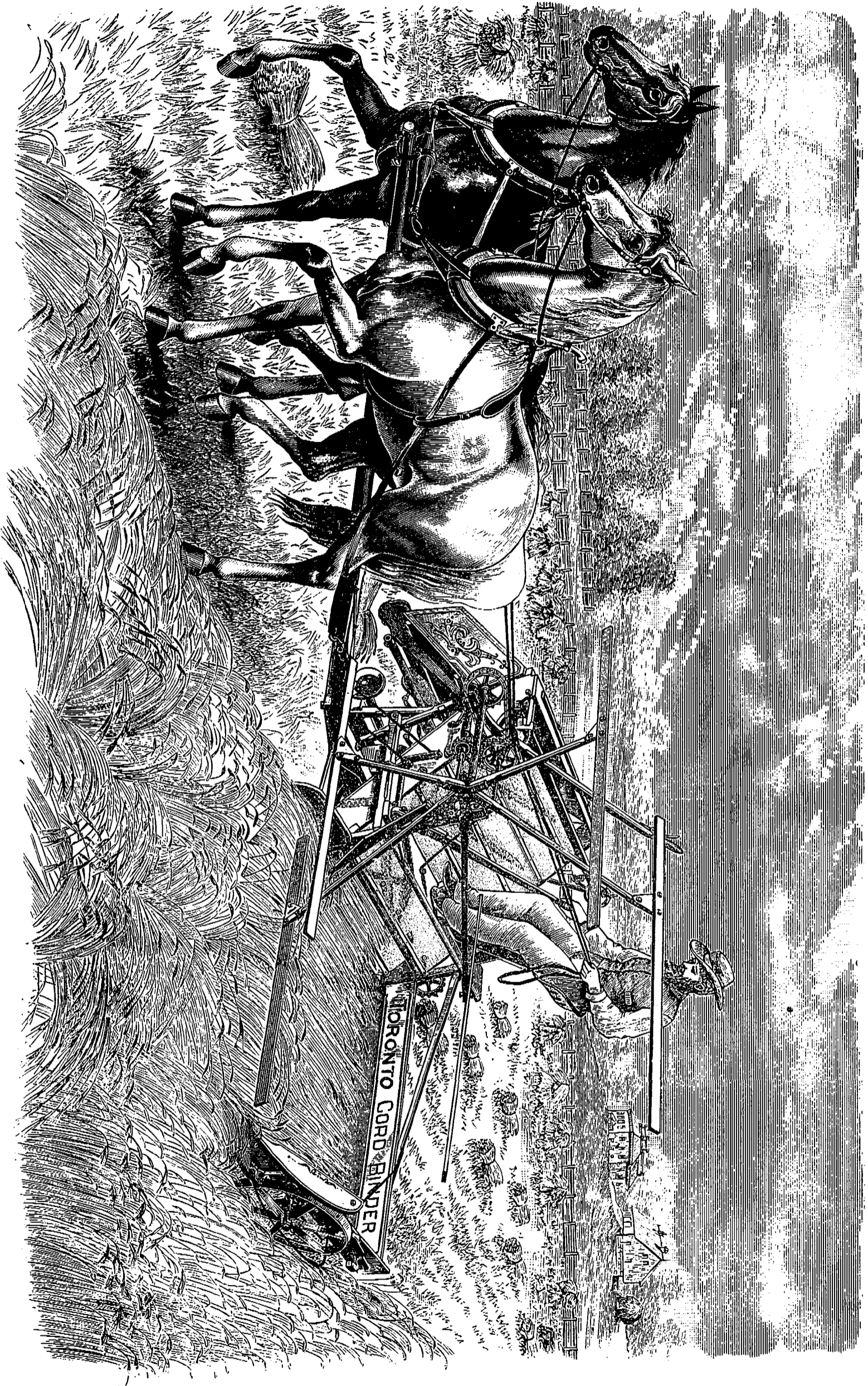
READ WHAT DAVID WRITES:

TYENDINGA, Dec. 21, 1882.

The Massey Manufacturing Co., Toronto:

Having bought one of your Massey Mowers from your agent here, I am more than satisfied with it.

DAVID BEATY.



THE NEW IMPROVED TORONTO CORD BINDER.
1883.

What can be done with the Sharp's Rake.

Miss Florence Lowes, eleven years of age, daughter of James Lowes, Esq., Peel Township, County of Wellington, did all the raking on 150 acres with one of our Sharp's Rakes last season. This is an unanswerable argument to show the ease with which Sharp's Rake can be operated. Daughters like Miss Lowes and a Sharp's Rake are invaluable accessories to the farm.

The Massey Manufacturing Company are the only makers of Harvesting Machinery in Canada who manufacture their own Knives and Sections and Teeth for Horse Rakes.

An American cheese bore away the prize of a silver medal at the late great cattle and dairy show at Birmingham, England. The prize cheese was one of the largest ever made, weighing three-fourths of a ton. It came from Iowa.

Jerome Este, of Colbrook, says: The Sharp's Rake I bought from you works like a charm. I am well satisfied with it.

SHARP'S HORSE RAKE!

IS MADE ONLY BY

The Massey Manufacturing Co.,

Has twice the sale of any Rake
in Canada.

SOLD UPON THE TERMS

"NO EQUAL, OR NO SALE."

BURLINGTON, ONT., Sept. 22nd, 1882.

The Massey Manufacturing Co., Toronto:

GENTLEMEN,—Please find enclosed a post office money order, in payment for my note in your favour, due 1st Oct. next. I am well pleased with the Horse Rake, it is the best I have seen in this neighbourhood, and can recommend it as such, please forward to me my note on return of mail.

And oblige, yours truly,

JOHN HEMINGWAY.

The First Sulky Horse Rake made in Canada was turned out by The Massey Manufacturing Company.

A Word From Quebec.

ARTHABASKAVILLE, July 28th, 1882.

Messrs. Massey & Co., Toronto:

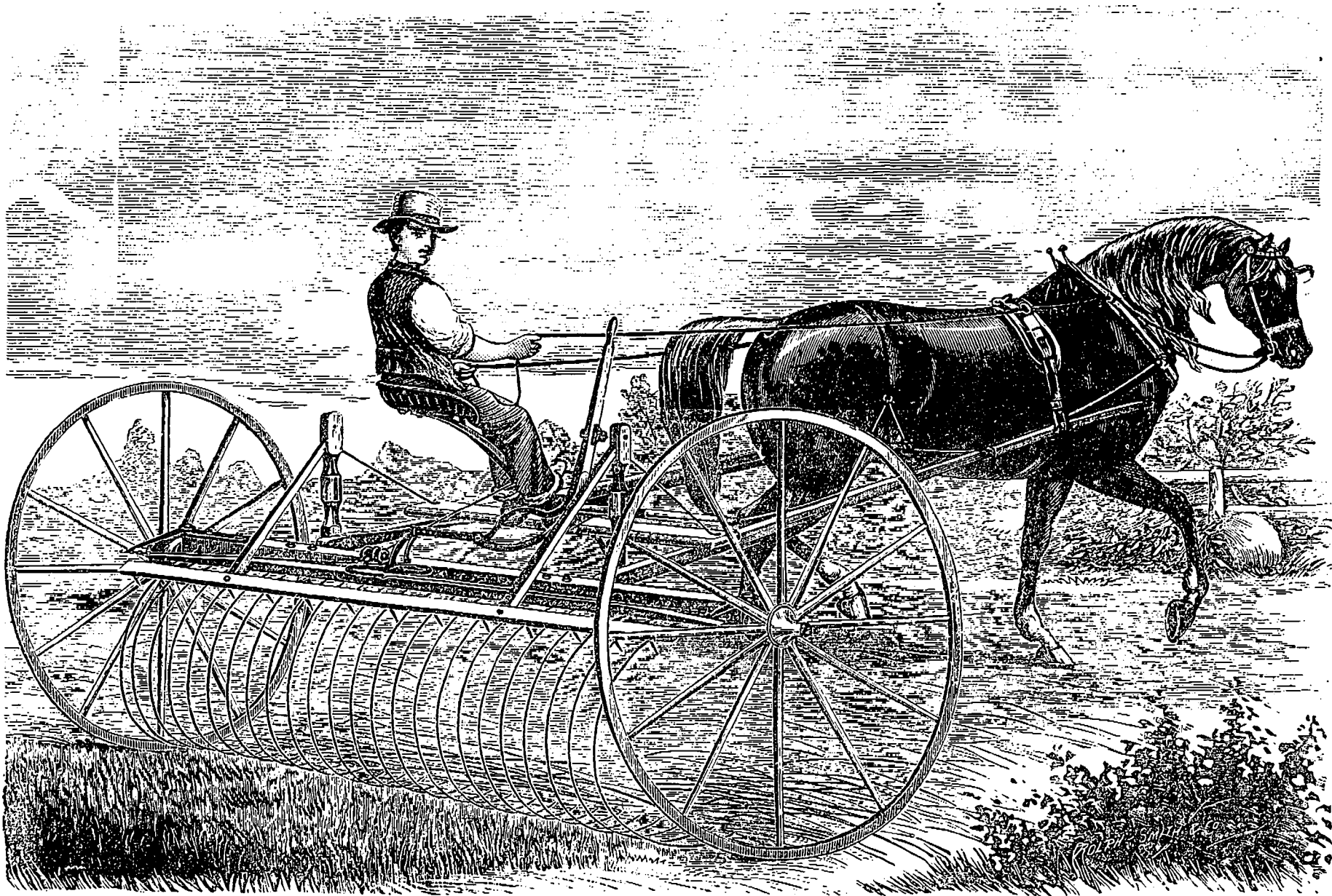
GENTLEMEN,—I enclose money order to cover my note, falling due August 1st, which please return. I am perfectly satisfied with your Rake.

I remain gentlemen,

Your obedient servant,

CHARLES POWELL.

4,200 Being Made for 1883.



18,000 Made and Sold since 1874.

SHARP'S HORSE RAKE.

MINDEN, HALIBURTON Co., Feb., 1883.

To The Massey Manufacturing Co.:

GENTLEMEN,—The Sharp's Rake I purchased some two years ago from your agent R. C. Garrett, has given great satisfaction. Though my land is both stumpy and stony, the Rake does good work, and I have not broken any part of it yet, I can safely recommend it to the public in this new country.

R. G. HAIGHT.

No Single Reaper has a sale equal to that of the Massey Harvester, and no Horse Rake equal to that of Sharp's Rake.

County Beauce, Quebec, Writes us.

St. Francois, Co. Beauce, Que.

Massey Manufacturing Co.:

GENTLEMEN,—I am well pleased with the Sharp's Rake I purchased from you. It does the work in an excellent manner. The teeth are of fine quality.

Yours truly,

FORTUNAT POULEN.

It is a mistake to suppose sheep can go a great while without water. They drink little at a time, it is true, but on that account they require it the oftener.

Remember, we were the first manufacturers of Sulky Rakes in Canada. We are the largest manufacturers of Sulky Rakes in Canada, and have made the most, and we manufacture the best—**THE ONLY GENUINE SHARP'S SELF-DUMPING RAKE**, as originally introduced and improved by us. Our facilities are unequalled by any Canadian factory for making the Rake in a perfect manner as well as in large numbers. We manufacture every portion of the Rake, including the **spokes and rims** for the wheels, and the **Rake Teeth**. We are much pleased to say that we have again secured the **best American steel** from one of the largest and best steel mills in the United States, and that **the Rake Teeth made by us have proved to be the best we ever had**. In all things—excellence of workmanship, quality of materials and improvements—we are **determined to excel**, and our farmer friends in purchasing a **genuine Sharp's Rake** from us may depend upon getting value for their money.

THE other day, as two friends were talking together in the street, a donkey began to bray and wheeze and cough in a most distressing manner. "What a cold that donkey has!" said one of the men. "And by the way, that puts me in mind—how is your cough?"

Ask this Young Lady How Easy It Dumps.

Mr. Jas. Lowes, 13th Concession of Peel, County of Wellington, bought from us last season, a Reaper, Mower and Rake, which gave him great satisfaction. His little daughter, eleven years old, did all the raking on 150 acres with the Sharp's Rake.

Almost without exception, for the last fifteen years, we have not been able to supply the demand for our productions.

YARKER, December 31st, 1882.

The Massey Manufacturing Co'y.

We have tested your Rake that we bought last season, and we can safely recommend it as a first-class article.

JAMES MARTIN & SON.

A lawyer once asked a Quaker if he could tell the difference between "also" and "likewise." "Oh, yes," said the Quaker; "Erskine is a great lawyer; his talents are admitted by almost every one." You are a lawyer, also, but not *likewise*.

THE
Toronto Cord Binder
A BRILLIANT SUCCESS!

A PERFECT CUTTER,
A PERFECT BINDER,
SIMPLY CONSTRUCTED,
EASY TO HANDLE,

Three Years before the Public!

DESCRIPTION OF THE MACHINE.

In the production of this Machine, it has been the aim of the inventor to overcome, to the greatest extent possible, the difficulties experienced by the inventors and manufacturers of other harvesters and binders, and produce a machine with which the average farmer can successfully harvest all the various kinds of grain, and, at the same time, a machine which should be simple, strong and durable and within the comprehension of the ordinary farmer, so that he would be able not only to operate it successfully when in proper order, but also to keep the machine correctly adjusted, and make all necessary repairs without the aid of a machine or expert. In this he has succeeded almost beyond his expectations, as will be fully understood after a careful examination of the machine is made.

THE MAIN FRAME

Is very substantially constructed of straight timbers firmly secured together with malleable iron brackets, to which all of the wooden pieces are bolted (instead of being mortised and tenoned together), which not only greatly increases the stiffness and solidity of the frame, but also makes it very much more easy and convenient to repair in case of serious accident, and greatly facilitates its being packed into economical space for handling and shipping.

THE DRIVING WHEEL

Is very large, being forty inches in diameter, and with an extra wide face or tread. The centres and gear are of iron, with a double set of spokes, which are set bracing at the hub, with iron sockets at the hub and rim, and are forced into position in the felloe after the tire is riveted

and put on the wheel under hydraulic pressure. The whole is firmly secured together by four five-eighths bolts, making the most substantial carrying and driving wheel ever produced.

THE GRAIN WHEEL

Is also very large, and, with a lever conveniently arranged for that purpose, the height of cut can be immediately changed to suit any kind of grain. The driving wheel and grain wheel are located on the same line, which greatly facilitates the turning and backing of the machine.

THE CUTTING APPARATUS

Is substantially the same as that used on the other Toronto Machines. The finger-bar is made of steel, or cold-rolled angle-bar, securing great strength and stiffness with the least possible weight. The guard fingers are forged of wrought iron, case hardened, and firmly riveted to the finger-bar. The pitman works on a straight line and is connected with the knife by means of a conical shaped pitman hook, and pitman bolt, with ratchet nut, and to the fly-wheel and a malleable box, fitted to a case hardened spindle substantially the same as the other Toronto Machines, the whole making a cutting apparatus equal to that used on the best single mowers.

THE RELIEF RAKE,

At the inside front corner of the machine, at the heel of the knife, moves the grain backward and upward, thus perfectly overcoming all the difficulties heretofore experienced at this point.

THE ADJUSTABLE REEL

Is large in diameter, has wide fans or beaters, with extension slats, which can be adjusted to suit any kind of grain. The socket for the reel-shaft is very long, causing it to run steadily and securing great strength. The reel is suspended or attached by hinged connections, so that, with a lever conveniently arranged for that purpose, the operator can instantly raise or lower, or change the angle of the reel to suit any kind of grain, either by reeling down very close over the guards and on to the conveying belt, or by moving it forward to pick up down and tangled grain, or by elevating and moving it backward, to properly reel standing or very tall grain.

THE CONVEYING AND ELEVATING BELTS.

The grain is conveyed across the platform and elevated into the binding receptacle by a very substantially constructed conveying belt, and two elevating belts (which are run in opposite directions). The belts are all made of very extra heavy duck, to which the slats or wooden strips are firmly riveted, and five (instead of three) extra heavy leather buckle straps are firmly secured to them by the use of rivets and washers. By the use of the metal angle finger-bar, the front edge of the conveying belt is run within THREE-EIGHTHS OF AN INCH OF THE BACK OF THE KNIFE, which is of great advantage, and

in fact, necessary in very short grain. The belts are much wider than those used on the ordinary harvester, giving much more and sufficient room for conveying and elevating long grain into the binding receptacle. All the rollers by which the canvas belts are driven are large, and the belts are kept uniformly taut by the use of

SPIRAL TENSION SPRINGS

Between the adjustable bearings for the rollers, which yield to conform to the shrinking or stretching of the belts, securing a uniform tension of one hundred pounds pressure which prevents the possibility of the belt slipping, from being too loose, or breaking from becoming too tight, and also equalizes the power required to drive it.

The three rollers which drive the conveying and elevating belts, and also the reel, are driven by one continuous sprocket chain, making the most complete, simple, convenient and durable device for that purpose ever produced.

THE POLE

Is very substantially secured to the main frame by a hinge connection, so that, with a lever conveniently constructed, the operator can instantly raise or lower the cutter-bar, reel, etc., by tilting, so as to pick up very short, lodged, or tangled grain, or cut high in tall, standing grain.

THE DRIVER'S SEAT

Is very conveniently located, being low down, so as to give the driver a commanding view of his team, the grain, and all working parts of the machine. The machine is well balanced, which prevents side draft, or unnecessary weight upon the horses' necks.

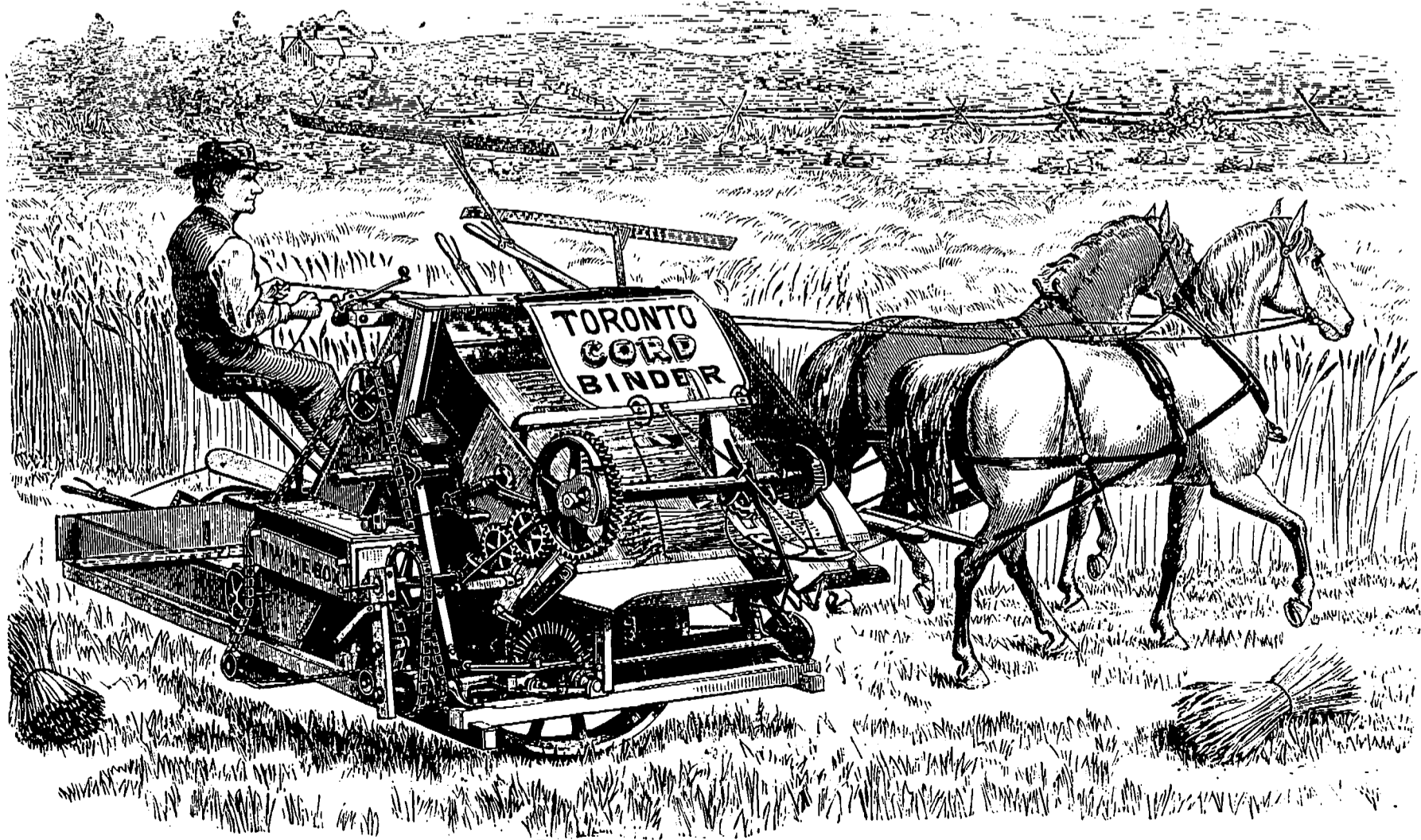
THE BINDING ATTACHMENT

Is similar in general features, to what is known as the Appleby, or bill-hook tyer, with many valuable improvements, made in connection with and adapting it to the Toronto, which include, among other things, the packers for straightening the grain and compressing the sheaf; the shield and support for the knotter; the convenient arrangement for shifting the binder forward and backward, to suit different kinds of grain, by the use of a crank lever, very conveniently located near the driver's seat; the improved tension; the new twine-box located in the rear of the machine, in view of the operator; the outer support for end of driving shaft, and many other valuable features and devices, which must be examined to be fully appreciated. For this purpose, we invite a very full and careful examination of the machine by all farmers contemplating the purchase of a binder.

The excellent record made by the Toronto Harvester and Cord Binder during the past season has attracted the attention of farmers everywhere and with the late improvements put upon it, which will go into practical use for the first time next year, it is predicted that the machine will take a remarkable hold on the affections of all grain growers.

Our illustration of the Toronto Cord Binder shows two horses only. While three horses are required where the land is rough, or the grain heavy, two are considered sufficient when circumstances are otherwise.

1,000 Binders being made for 1888.



Now is the time to order.

THE TORONTO CORD BINDER.

ILLUSTRATIONS

OF THE

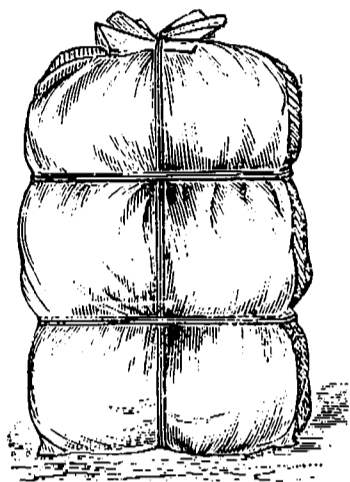
CORD KNOTTER

AS USED ON THE

Self-Binding Harvesters

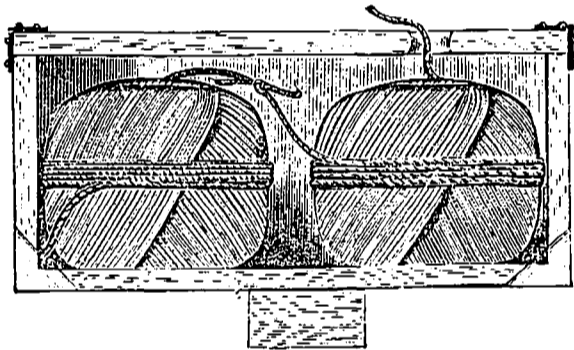
MANUFACTURED BY

The Massey Manufacturing Co.



This represents a 50 lb. Bag of Cord.

The cord is shipped in bags varying in weight from 25 to 65 pounds each, and containing an equal number of balls, averaging in weight about 3 1/2 pounds.



Twine as placed in Cord Box in the Machine.

The "Bill Hook Knotter," used on the Toronto Binder is the simplest device yet invented for tying a knot. There are no traps about it, and absolutely no complicated parts to wear or become disarranged by use or carelessness.



TWINE KNOT TIED BY THE TORONTO CORD BINDER.

The cord or twine used is about the size shown in the cut of the knot, and the form of the tie is fairly illustrated by this same picture. You will notice that the expansion of the sheaf has a tendency to tighten the knot, and when the bundles are tossed on end for shocking there is no danger of the knot slipping or becoming untied.

Examine carefully the machines turned out by the Massey Manufacturing Company, and notice the material, the workmanship, and the general finish. They are without a superior, and taken as a whole are without an equal.

They both meant business:—"Widder Jenkins," said an Ohio farmer, as he bustled into her house one morning, "I am a man of business. I'm worth \$10,000 and want you for a wife. I give you three minutes in which to answer." "I don't want ten seconds, old man!" she replied as she shook out the dish-cloth; "I'm a woman of business, worth \$16,000, and wouldn't marry you if you were the last man on earth! I give you a minute and a half to git!" He got.

A young man, while out hunting for his father's pig, accosted an Irishman as follows: "Have you seen a stray pig about here?" Pat responded, "Faix, how could I tell a stray pig from any other?"

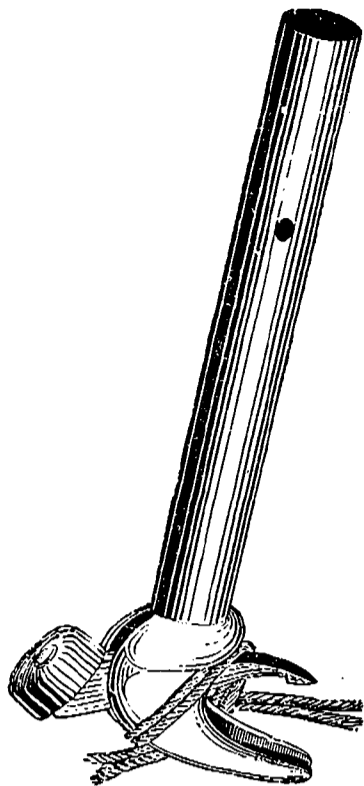


Figure 1.

Figure 1 represents the first operation in tying the knot. The knotter hook has made one revolution, wrapping the cord around the rear end of the beak, and the bill stands open to receive the opposite ends of the string as shown in the picture. When the end of the twine is drawn through, the tongue or under part of the bill closes and presents the operation as shown in Fig. 2.

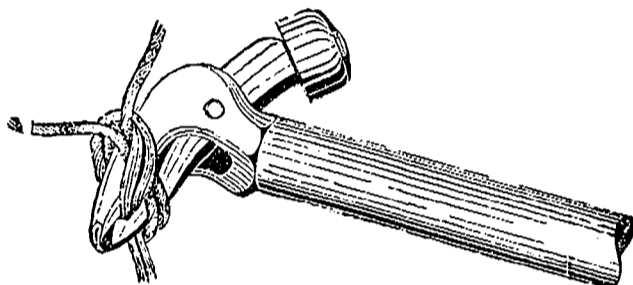


Figure 2.

Toronto Knotter Hook forming the Cord Loop.

Figure 2. The loop or platt is now completed and held in proper position by the closed bill tongue until the knot stripper, which is a curved piece of steel, strips or pulls the loop off of the bill and leaves it as shown in Figure 3.

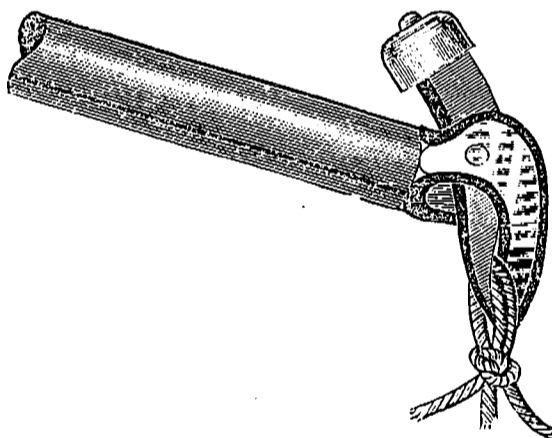
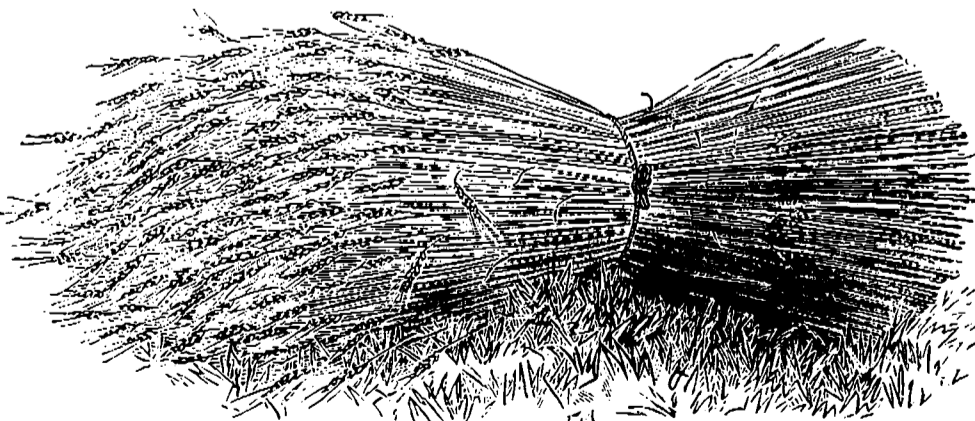


Figure 3.

Last Operation in performing a Knot with the Toronto Knotter.

Figure 3. A cam motion now operates the roller on the back end of the tongue piece, causing it to open and eject the knot, which is quickly cut off from the main part of the cord by means of a small knife, and the twine-bound bundle is tossed to one side completing the operation.



Wheat Sheaf Bound with Twine by the Toronto Cord Binder.

This picture is a good representation of a Twine Bound Sheaf, tied with the Toronto Cord Binder. No unnecessary compression is used, not a straw broken or a head of grain wasted. The bundle can be handled with safety and no danger of them coming untied when stacking. The bands offer no obstacles when threshing the grain, and no injury is done the stock by feeding upon the straw, as is the case when wire is used for tying the bundles.

The Cost of Beef.

Mr. John D. Gillett, of Illinois, the well known cattle breeder and feeder, has prepared a statement of the average cost of bringing a steer up to the ages of twelve months, two years, and three years, and the profit to the feeder at these several ages. Of course it must be remembered that the system of feeding practised by Mr. Gillett is the one generally pursued in Illinois, and varies from the usual practice among Michigan, New York, or Ohio feeders; but his long experience and great success make his statements of value to all interested in cattle feeding. His figures are as follows:—

COST OF STEER TWELVE MONTHS OLD.	
Value of calf at birth.....	\$ 3 00
Expenses of dam of calf chargeable to calf for one year as follows:—Eight per cent. interest on \$50, value of cow.....	4 00
Keep of yearling, and feed of cow twelve months	12 25
Insurance on cow.....	1 00
Risk on failure of cow to breed.....	1 75
Loss of calves by death, etc.....	1 00
No corn fed up to twelve months.	
Value of pasture and keep up to twelve months..	6 00
Total.....	\$29 00
Weight of calf at twelve months, 700 lbs., worth, at five cents.....	35 00
Profit at twelve months of age.....	6 00

COST FROM TWELVE TO TWENTY-FOUR MONTHS OF AGE.	
Value of steer at twelve months of age.....	\$ 35 00
Value of shock corn from twelve to twenty-four months of age, 110 bushels of corn at 34 cents	38 50
Pasture at twelve to twenty-four months.....	3 00
Interest and risk.....	2 80
Total.....	\$87 30
Less 500 pounds pork made on droppings of steer from twelve to twenty-four months of age, at five cents.....	25 00
Net cost twelve to twenty-four months.....	\$35 50
Weight of steer at twenty-four months, 1,000 lbs.; value of steer at twenty-four months at 6 1/2 cents.....	104 00
Profit at twenty-four months of age.....	50 70

COST FROM TWENTY-FOUR TO THIRTY-SIX MONTHS OF AGE.	
Value of steer at twenty-four months of age.....	\$104 00
Value of shock corn consumed in entire year, 125 bushels, at 35 cents.....	43 75
Pasture, May 1 to November 1.....	4 00
Interest and risk at twenty-four to thirty-six months of age.....	8 32
Total.....	\$160 07
Less 500 lbs pork at five cents, made on droppings of steer.....	25 00
Cost at thirty-six months of age.....	\$135 07
Weight at thirty-six months of age, 2,200 lbs., at seven cents.....	154 00
Profit at thirty-six months of age.....	18 95

From this statement it appears that the net profit of the first year's feeding is only \$6, while the second year it is \$50.70. The third year, however, only \$18.95 is gained by feeding. These figures exhibit how much is gained by early maturity and the value of improved stock to the farmer. It is a well-known fact that a good grade Shorthorn or Hereford steer will be fully as heavy and ripe for the butcher at two years of age as an ordinary native steer at three years, and that the food consumed by each, annually, will vary but little. Every farmer, therefore, who is feeding native stock for the butcher, is wasting a year's time and feed. Of course many of them will not believe this, but the way for the unbeliever to do is to test the question for himself, and act upon the results of that test. He can lose nothing by giving the matter a fair trial.

We have purchased for the coming harvest a large quantity of Binding Cord, and are in a position to supply all who are in want of it; and those desirous of buying from us we advise to place their orders early. It may be somewhat difficult to estimate just the amount of cord that will be required for the season, or even the quantity per acre, for the reason that if large sheaves are bound the quantity of cord will be much

less than if the sheaves are made smaller. We presume that, taking the average of grain it would be safe to estimate about 1 1/2 pounds of cord to the acre, if fair-sized sheaves are bound.

A new color: "Telegraph blue" is a new color. It is the shade of a man's face when he gets a despatch from his broker asking for more margin.

Read what The Sarnia Weekly Canadian, of Aug. 2, 1882, says about the Toronto Cord Binder.

MOORE, 8th Line, Co. Lambton.

Haying is all through with, and Fall wheat is pretty much cut, and a large quantity is safe in the barns. It is a very good crop this year. Barley and oats will not be quite so good this year, owing to the very wet Spring, followed by the very dry weather, which had the effect of ripening the barley prematurely. Potatoes are suffering from the same cause. Taken on the whole, however, we will have a pretty good harvest, and a prospect of good prices. In speaking of the harvest, I would just mention that Mr. Wendal Brown, 8th Line, purchased this season from Messrs. McGurk & Cruikshank, agents for the Massey Manufacturing Company, of Toronto, one of their Toronto Cord Binders, with which he has just finished cutting his wheat, which it did in splendid style, without a hitch or break from first to last. All who have seen this Binder work, say they think it is as near perfection as they can be made. It is light in draft, very simple and easy to manage. The driver has nothing to do but to mind his horses, as the sheaves are bound and thrown off automatically, and every sheaf the same size, no sheaves hanging together, as is the case with some binders. Some Old Country farmers who saw it work, say it does cleaner and better work than can be done with the reaping hook. It works fully as good as the common reaper on rough land, crossing furrows and small ditches, and can be used with two horses, but for a big day's work three should be used. We predict a big sale for this machine, especially as men are so hard to get in harvest time nowadays. The machine was set up and started by the agents and one or two others, and not one of them had any previous experience with the like, which says a great deal for the simplicity of the machine.

DRAINAGE.—Too little attention is paid to the drainage of meadow lands, and too much to the drainage of the pocket. The latter is entirely overdone.

The Toronto Cord Binder heard from in Co. Lanark.

SMITH'S FALLS, Co. Lanark, Jan. 20th, 1883.

The Massey Manufacturing Co., Toronto :

GENTLEMEN,—We, the undersigned, having each purchased one of your Toronto Cord Binders from your agent, Mr. W. H. Willis, of Smith's Falls, and after thoroughly testing them in all kinds of grain and on all kinds of land, we would recommend them to our brother farmers for strength, durability, and being easily managed in the field, as we have cut a large amount of grain with our Binders, and they have not cost one cent for repairs. Any information regarding the Binders will be cheerfully given by us.

MONTCALM CONDIE, Smith's Falls, East.
E. R. MOORHOUSE Reeve, Elmsley S'th.
JOHN FOSTER, Elmsley.
PETER HUNTER, Elmsley.
ROBERT FERGUSON, Elmsley.

English and American Methods.

"In our country," said the Englishman, as he leaned back in his chair, "before we marry we arrange to settle a certain sum upon the wife."

"Yes, I know," said the American, "but with us it is different. It is after we are married that we settle everything on the wife and arrange to beat our creditors."

"Haw! I see. And how do the creditors take it?"

"They never find anything to take."

THE TORONTO REAPER

—HAS THE—

NEW MECHANICAL GEAR.

Light, Strong, Durable.

A. & N. Smith, of Komoka, bought a Toronto Cord Binder last year.

KOMOKA, Co. Middlesex, Ont., 29-7-'82.

Mr. C. A. Massey :

SIR,—This is to certify that the Binder we have received from the Massey Manufacturing Company has given entire satisfaction. Also, that any repairs required were promptly supplied and looked after by your agent.

ANGUS P. SMITH,
NELSON SMITH.

The Great Mogul at Windsor.

The following good story comes from a quarter where we are assured "its correctness can be vouched for." Many years ago, at the time of a great ceremony, Windsor Castle was honoured with the presence of three sovereigns. After breakfast the three potentates walked and talked on the celebrated "Slopes," and were of course in "mufti." They were delighted with the grounds and presently entered into conversation with the gardener, who evidently took them for a party of "gentlemen's gentlemen" out for a stroll. After some little affable talk, he could not resist the query, "Now, who may you gents be?" "Well," said the spokesman, "this gentleman here happens to be the King of Prussia; that one standing by your side is the Emperor of Austria; and as for myself, I am the Emperor of Russia."

This was carrying the joke too far, thought the gardener. "I've seen a lot of queer furrin' gents here lately, but this beats me;" so he burst out in a rather rude guffaw. "Well, my friend," said the Emperor Nicholas, "you seem amused; perhaps you will tell me who you are?" "Oh, certainly;" so taking up the skirt of his coat with the action of a great eagle spreading out his wings, and spinning round on his heels, he said, "If you are all what you say you are—why I am the Great Mogul!" The three Majesties roared with laughter, and, returning to the Castle, told the story at the luncheon table, to the immense amusement of the Queen and Prince Albert.

A young man in a train was making fun of a lady's hat to an elderly gentleman in the seat with him. "Yes," said his seat mate, "that's my wife, and I told her if she wore that bonnet that some fool would make fun of it."

UNEXCELLED FOR STRENGTH, DURABILITY AND CAPACITY.



THE TORONTO REAPER SAVING DOWN GRAIN.

The height of Cut can be adjusted instantly by the Driver without leaving his seat.

SHEFFIELD, Dec. 27th, 1882.

The Massey Manufacturing Company :

DEAR SIRS,—For neat work, speed, and lightness of draft, I have seen none to compare with your Toronto Reaper and Mower.

WILLIAM E. MOBAY.

A tale is told of a certain bombastic colonel who was once riding in a stage coach with several other passengers, when he accidentally dropped his hat out of the window, and exclaimed in a stentorian voice: "Charioteer, pause! I have lost my chapeau." The driver paid no heed to the demand. Again the bombastic fellow authoritatively spoke: "Charioteer, pause! I have lost my chapeau." No attention being paid by the driver to this last demand, a plain blunt man, who had become disgusted with his fellow-traveller's silliness and pomposity, put his head out of the window and said: "Driver, hold on; this fool has lost his hat." This was perfectly intelligible to the driver, and the hat was secured.

THE TORONTO REAPER.

THE Toronto Reaper was first introduced into Canada in 1878, and each year has steadily increased in favor with the Canadian farmers. Its capacity is great, and for saving lodged grain it is unexcelled. It is perfectly adapted for work on uneven land or on steep hill sides, the peculiar location of the carrying wheels making the machine run very steadily, and the driver's seat is conveniently arranged to give him perfect control of the machine and team. The material of which it is built is of the very best character, and consists largely of malleable iron, wrought iron and steel. A full description of the machine is considered unnecessary, owing to the great reputation it has gained since its introduction. We call the attention of our readers to a few of the testimonials received in its favor.

PERCY, Co. Northumberland, Jan. 1883.

The Massey Manufacturing Company :

SIRS,—I have used the Toronto Reaper the last two harvests with full satisfaction.

A. C. HULLCKE.

SALT ON WHEAT.—W. T. Hearne, of Lexington, Minn., writes that he sowed on his farm 175 pounds of salt per acre, and, judging from his neighbors' crops, on which salt was not used, it made a difference of fifteen bushels per acre, and the straw was much stiffer and the quality of the grain superior. All of which goes to prove that, by a liberal application of salt, the result has been an increased yield of fifteen bushels of wheat.

"What are eggs this morning?" "Eggs, of course," smilingly answered the dealer. "I am glad of it, for the last I bought of you were chickens."

THE STAR OF VICTORY!

THE STAR OF VICTORY!

The Toronto Mower!

SEVENTH SEASON.
WIDTH OF CUT 4 FT. 3 IN.

Sharp's Horse Rake!
TENTH SEASON.
IMMENSELY POPULAR.

Massey's Down Binder!
FIRST SEASON.
WIDTH OF CUT 5 FEET.
TWO STYLES OF REAPERS.
TWO STYLES OF MOWERS.

The Massey Mower!
* TORONTO, ONT. *
Manufactured Exclusively by
The Massey Manufacturing Co.

The Toronto Cord Binder!
FIFTH SEASON.
WIDTH OF CUT 4 FT. 3 IN.

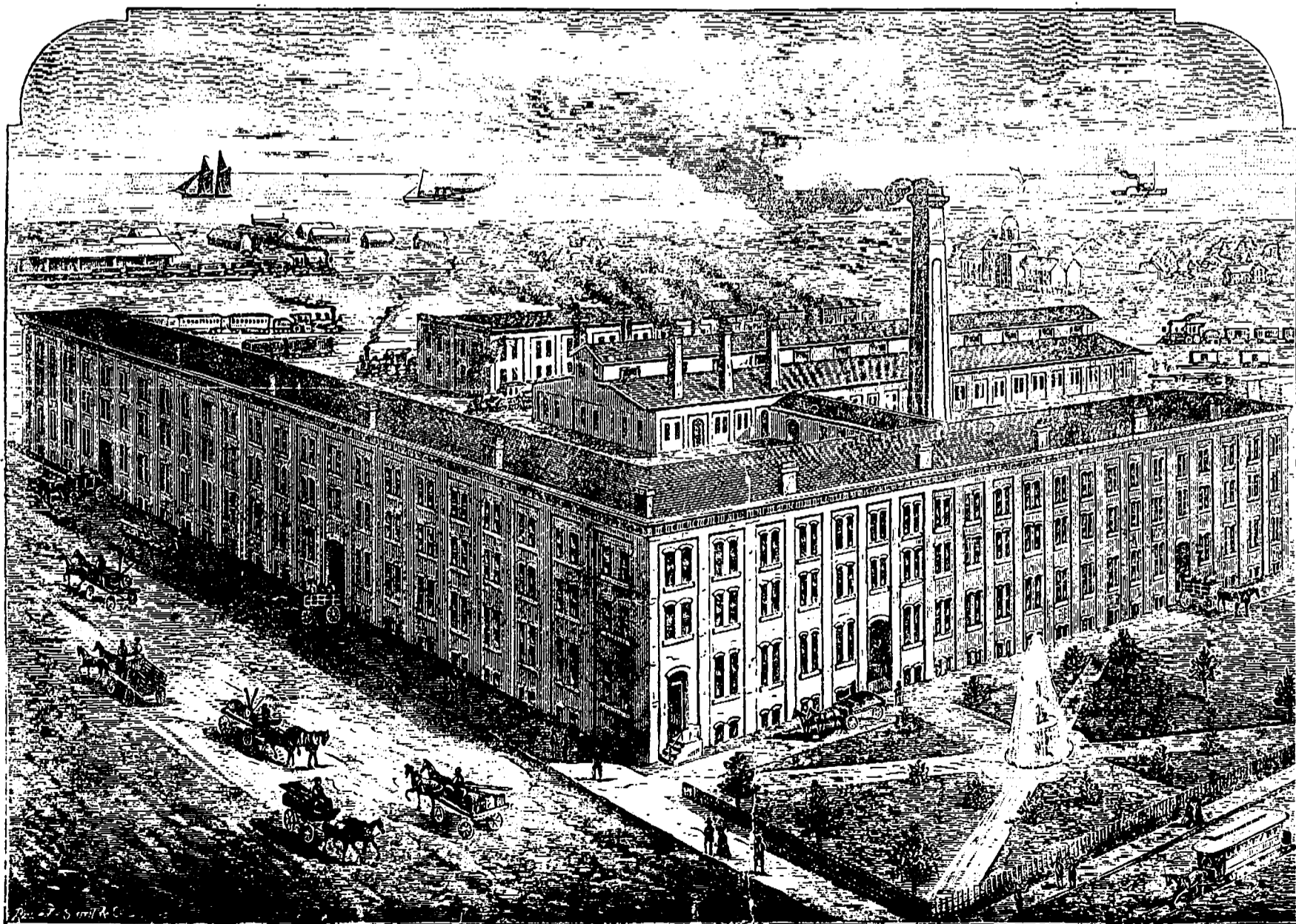
The Toronto Reaper!
THIRD SEASON.
WIDTH OF CUT 6 FEET.

The Massey Harvester!
SIXTH SEASON.
WIDTH OF CUT 5 FEET.

FOURTH SEASON.
WIDTH OF CUT 5 FT. 3 IN.

10,000 MACHINES AND RAKES
BEING MADE FOR 1883.

10,000 MACHINES AND RAKES
BEING MADE FOR 1883.



THE MASSEY MANUFACTURING CO.'S WORKS, TORONTO, ONT.

NORTH-WESTERN AGENCY:

OFFICE AND FACTORY:

EASTERN AGENCY:

T. J. McBRIDE, Manager.
WINNIPEG, MAN.

701 KING STREET WEST,
COR. OF MASSEY STREET.

TIPPET, BURDITT & CO.
ST. JOHN, N. B.