

MASSEY'S
ILLUSTRATED
A JOURNAL OF HARVESTING MACHINERY



THE MOTHER'S TREASURE.

The height of perfection
in Harvester Binders
is attained only in
The "Toronto."

It enters the Harvest of 1884
without a blemish.

It is the only Harvester that can
be raised or lowered instantly
and easily while the machine
is in motion.

In no way can the relative merits of
a machine be so clearly shown as by
comparing it with similar machines
used for the same purpose. The To-
ronto Light Binder, when compared
with other Binders, clearly shows more
desirable features and points of super-
iority than all others and it possesses
many patented improvements and
specialities that cannot be found on
any others. A few of its points of
excellence not found on any other
Binder:—

THE TORONTO LIGHT BINDER is the only one using
an angular steel cutter bar without a wooden attachment,
and thereby provides against sagging and warping.

THE ONLY BINDER without a wooden cutter bar.

THE ONLY BINDER using wrought-iron guards with
sawed slots, and steel faced both above and below the
knives.

THE ONLY BINDER using springs in the canvas belts
to take up the slack of the canvas.

THE ONLY BINDER running its canvas within a quarter
inch of the knives, which quickly removes all short grain.

THE ONLY BINDER using a relief rake at the inner
corner of the cutting apparatus, preventing the delay of
the upward flow of the grain to the elevator, and clears
the inner corner of the cutting apparatus.

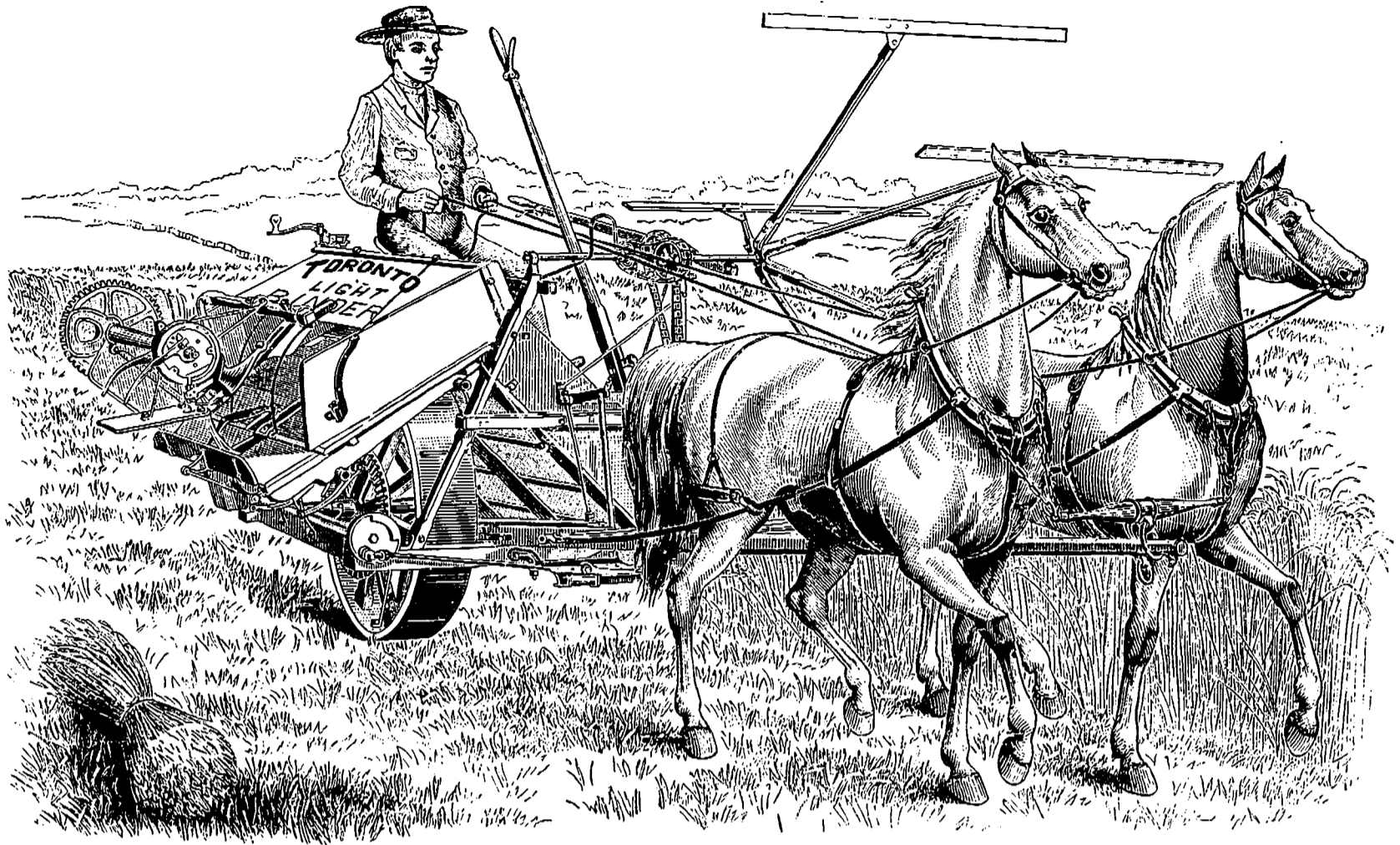
THE ONLY BINDER using an open reel and allows
for the successful reeling in of both short and long grain
without detriment.

THE ONLY BINDER with conical take-up on the knife
pitman.

THE ONLY BINDER running the Harvester and Bind-
ing attachment with one chain.

THE ONLY BINDER with gear and sprocket wheels
put on with taper fits making sure fastening to the shafts
and allows for easy removal.

THE ONLY BINDER which can be lowered instantly
to pick up and cut short grain, or raised to cut various



TORONTO LIGHT BINDER.

Front View, showing the Machine with Team attached and Driver in Seat as at work in the Field, illustrating the position of the Levers for raising and lowering the cut; also the Reel and Crank for shifting the Binder:—

heights, whilst the machine is in motion, and by the use
of only one lever.

THE ONLY BINDER "not" using a canvas butter.

THE ONLY BINDER using a third packer to bring the
grain down squarely to the knottor.

THE ONLY BINDER using an adjustable stripper for re-
moving the cord from the bill hook and is readily ad-
justed without loss of time or injury to the machine.

THE ONLY SINGLE-GEARED Harvest Binder made.

THE ONLY BINDER fitted throughout with all steel
shaftings—AND DON'T YOU FORGET IT.

The foregoing are a few points not found on any other
Harvest Binder in the market.

To Measure Hay.

To measure a round stack, take an average measure-
ment of the circumference and the height, as far as the
circumference extends; multiply the square of the cir-
cumference in feet by the height in feet, and this by the
decimal .08, and the product will be the number of cubic
feet. The conical part above may be obtained by multi-
plying the square of the circumference by one-third of
the height, and the product by the decimal .08. The
average number of cubic feet to the ton is 500, 550, and
600 cubic feet, according to the quality and solidity.
Coarse and dry clover has been as light as 750 cubic feet
to the ton.

To Make it Light for Posterity

"So you wish me to present you with ten dollars
because you are a poet and a literary man?" said the
dry-goods jobber to a seedy-looking individual in a soiled
duster and a straw hat that had seen at least half-a-dozen
summers.

"Yes, sir; and it will be money in your pocket to grant
my request. If you will permit me to take a chair, and
will give me a few moments of your valuable time, I will
explain."

"Proceed," he said: "You say that you're a poet.
Now, although I'm a business man, I read a great deal,
and I never heard of you or your poetry."

"Perfectly true," answered the literary man: "that's
just it; you have never heard of me, but you *will* hear
of me."

"How so?"

"I write all the time. At present my lucubrations
appear in journals that you might consider obscure.
There is a conspiracy to keep me out of the higher class
magazines. The *Millennium* and *Lyre* monthlies invari-
ably send my work back. It is the penalty of greatness.
One of these days they will be glad to pay a thousand
dollars a stanza for mere fugitive pieces."

"Are you sure of that?"

"Sure? Of course I'm sure. Your acquaintance with
literature must be slight to ask me such a question. Did
you ever hear of a man named Camoens who wrote a
poem called the 'Lusiad'? Well Camoens couldn't
make enough to buy a five-cent bowl of soup a week, and
a nigger used to go about begging for him. He died a
pauper. Now, it was only a few months ago that the
King and Queen of Portugal and all the greatest people
in the country took part in a grand celebra-
tion—the three hundredth anniversary of
Camoens' birth. Now, suppose to-day were
300 years ago, wouldn't you feel pretty mean
to refuse me ten dollars, when, 300 years
hence, I might be a much greater man than
Camoens?"

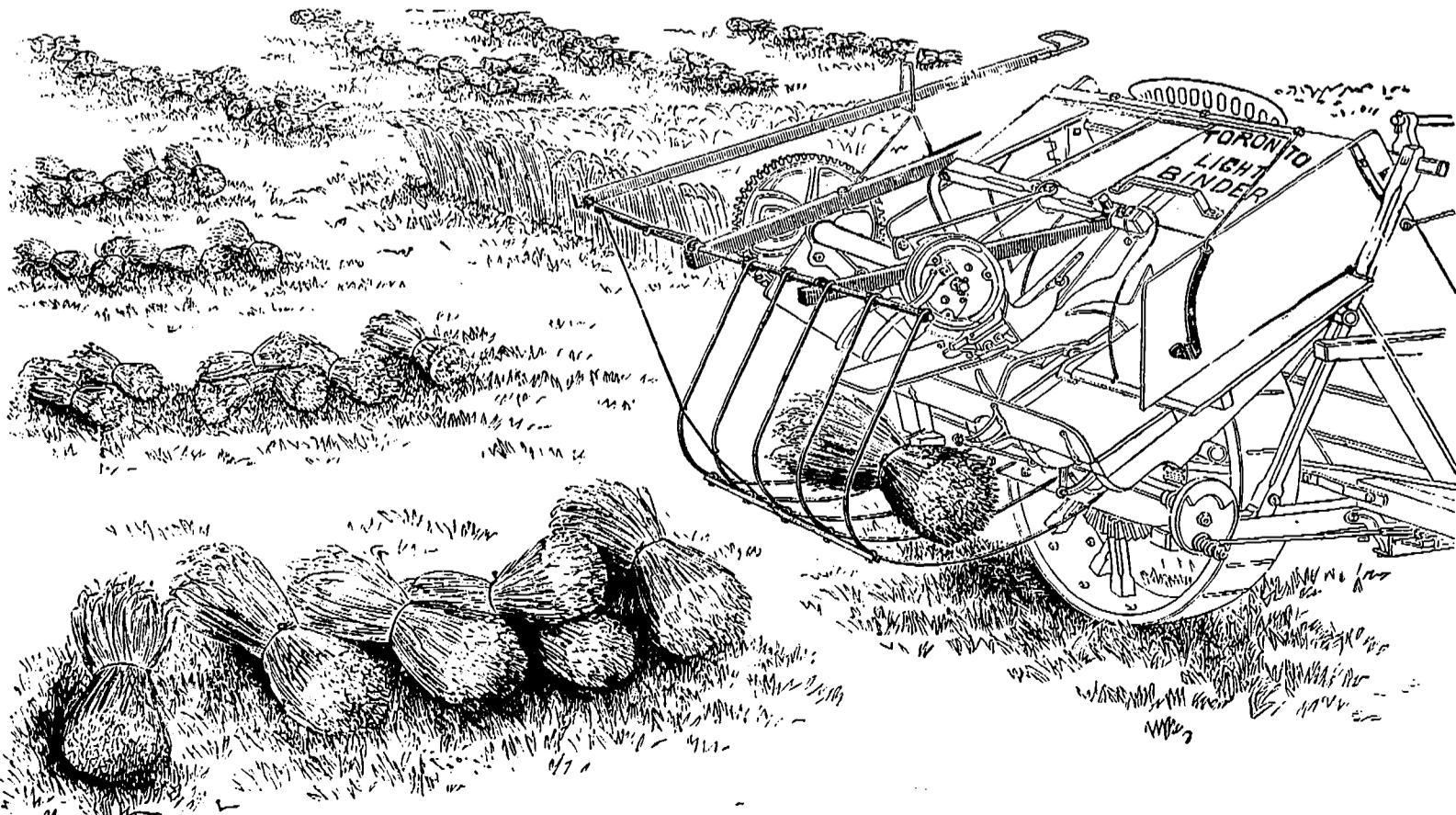
"But you don't mean to compare yourself
to the great Camoens?" said the dry goods
jobber.

"There it is; the great Camoens' you
call him—great because he's dead. If Ca-
moens had come to you when he was poor,
you would probably have handed him over
to the police for begging; and now I'll bet,
you'd be willing to give a \$100 toward a
statue for the man, when the money is of no
use to him."

"I still fail to see what claim you can have
on me for ten dollars."

"Well, then," urged the seedy visitor: take
the case of Homer. He used to travel about,
reciting his poems and getting his living as
best he could; and just think how glad
people would be to help him now. I tell
you, sir, the pages of history reek with such
cases.

A little Iodine, mixed with water and rub-
bed on the face, looks exactly like sunburn.
This item is for the benefit of people who
lived unobserved in the city during the heated
term, that they may iodine themselves before
going to church, and cause people to believe
that they summered at Mt. Desert or New-
port.



THE TORONTO BINDER SHEAF CARRIER AT WORK.

*For thorough reliability to
harvest all kinds of grain
under all conditions*

The Massey Harvester

Is acknowledged the best.

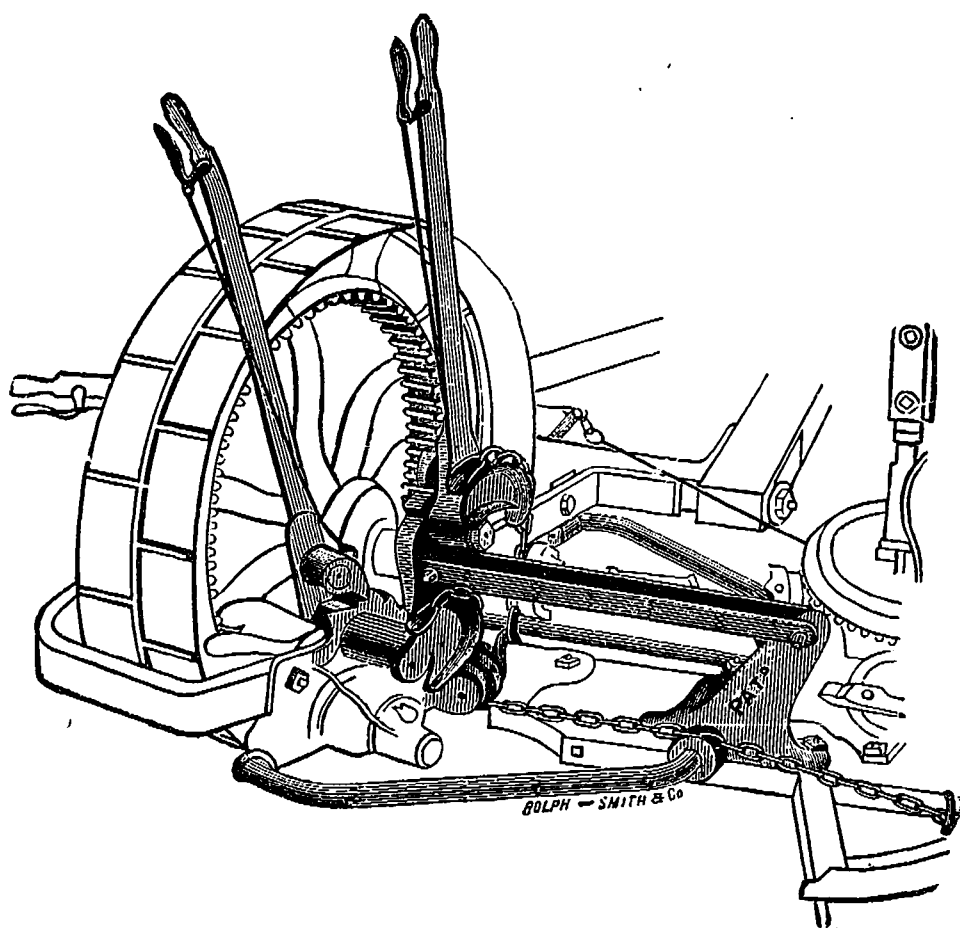
It seems useless for us to go into a description of the Massey Harvester, so well is it known from east to west and north to south of the Dominion of Canada. Never in the history of harvesting machinery has there ever been a reaper placed on the market of the world that has given so much satisfaction and proved itself equal to handle all descriptions of grain, and in all conditions, short or long, standing or badly lodged. It has met with such universal favour everywhere, that whilst it is named the Massey Harvester, it has received from its patrons the well-earned name of "Queen of the Harvesters." This, you will bear in mind, is not the "Harvest Queen," as some unscrupulous agents may lead you to believe.

The Massey Harvester is strong, simple and durable, and a model of neatness in construction. The main frame upon which the solid construction of a reaper is built is substantially made of wrought iron surrounding the large drive-wheels. The gearing is all neatly encased and protected from dirt. The shaftings are all made of steel and run in brass bushes, causing a smooth working action on all the parts, and at the same time giving great durability to all the bearings.

The levers are all placed conveniently to the driver whilst on his seat, and can be operated instantly to raise and lower the guards and knives to pick up lodged grain. The outer, or grain wheel, are also under the control of the driver from his seat, and can be readily raised or lowered to any desired height. So easily is the operation made that it is not found necessary to stop the team when these desired changes in height of cut are found necessary.

The platform is suspended from the main frame by a very stout wrought iron "bale," as will be seen in our illustration. This is put on in a hinged manner so as to admit of raising and lowering the cutting apparatus without affecting the working of the knife connections, and prevents any liability of the cutter bar sagging or twisting.

In this harvester will be found all the good qualities desired to make a first-class machine in every respect, and can be relied upon in every instance to handle all grains, in all conditions, in a highly satisfactory manner.



The new Bail Support and Lever Attachments on the Massey Harvester.

The New Bail Support and Lever Attachments used only on the Massey Harvester.

The bail support used on the Massey Harvester is a very important feature, in a machine of this class, and effectually overcomes all difficulties experienced in what is termed and used by others "a post support or lift." The bail is attached to the solid wrought-iron frame that surrounds the large wheel, then across to the cutter bar giving it great support and solidity, and to the platform placed on the machine in a hinged manner makes it very flexible and allowing the table and guards to be placed in any position without affecting the pitman and knives.

The cut on this page also illustrates the convenient position of the tilting and lifting levers to the driver. The one to the left of the main wheel is used to raise and lower the guards and knives whilst handling lodged and down grain. The one to the front on the right hand side is used to raise and lower the inside of the platform and to the rear one is attached

a strong wrought-iron chain extending beneath the table to the outside or grain wheel by the use of which the outer end of platform is raised to any desired height without leaving the seat, a convenience much to be appreciated in cutting over rough and uneven ground.

To our customers and agents. The chain for lifting the outside grain wheel must be placed over the top of the shoe or roller on rear of bail and also over the wooden brace in platform and in no instance must be put underneath these parts.

To find the Capacity of Bins.

To find the capacity of a bin in bushels:—Divide the contents in cubic inches by 2150.42.

The cubic contents are found by multiplying together the lengths, breadths and thickness. The standard bushel contains 2150.42 cubic inches, which explains the use of that number in these computations.

To find the cubic contents in a given number of bushels, multiply the number of bushels by 2150.42; the product will be the number of cubic inches.

Any number of cubic feet diminished by one-fifth will represent an equivalent number of bushels.

Any number of bushels increased by one-quarter will represent an equivalent number of cubic feet.

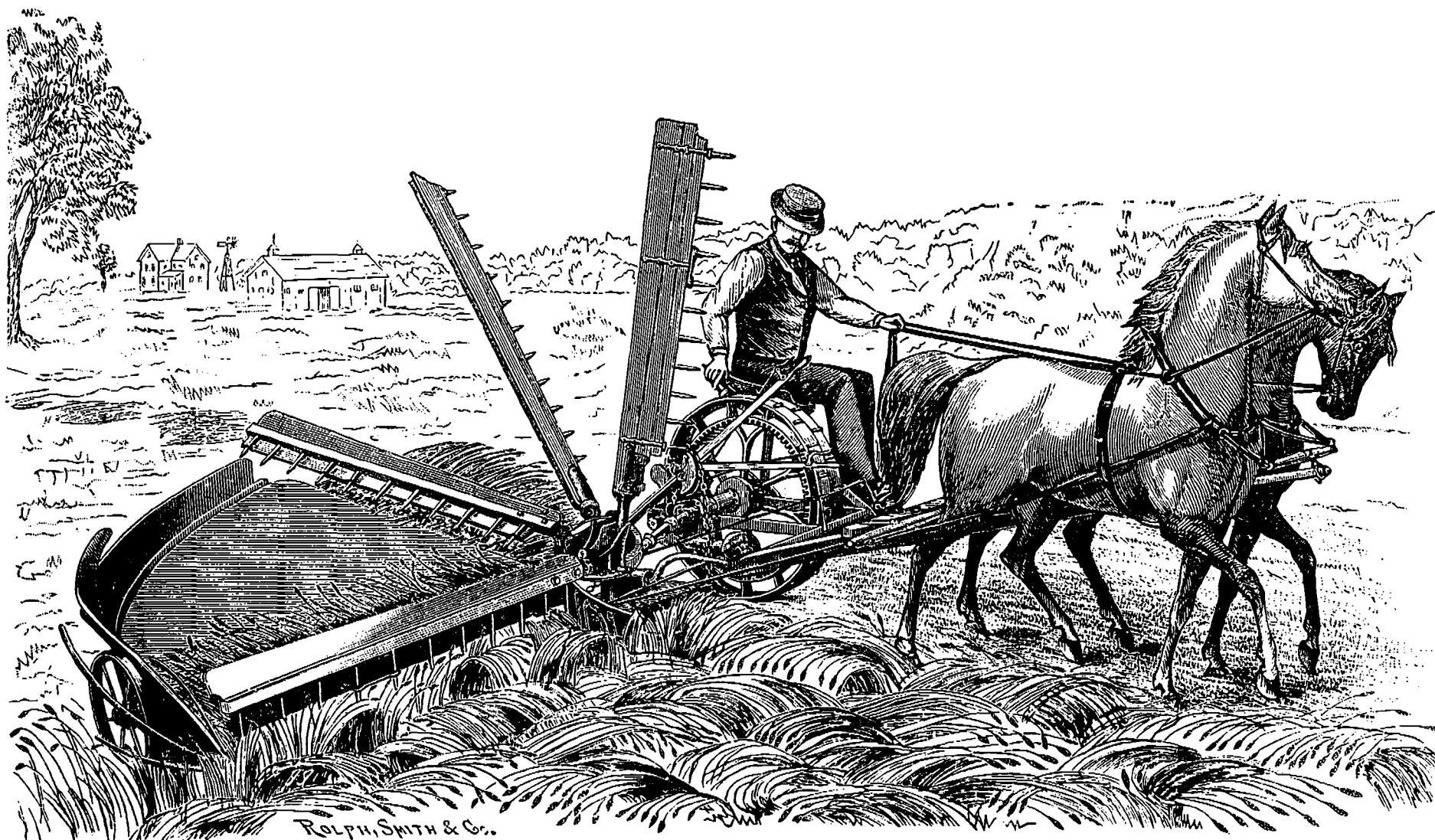
A shorter method of finding the capacity of a bin in bushels, and sufficiently accurate for all practical purposes, is to multiply the cubic contents in feet by four-fifths.

The capacity of a cistern or well may be found by multiplying the square of the diameter in inches by .7854, and dividing the product by 231, which will show the capacity in gallons.

The best way to get rid of bread that is too stale to be eaten is to give it to a tramp.

Measurement of Live Cattle for Weight.

The following is the rule generally followed, and, of course, is only approximate in accuracy: Multiply the girth in feet by the distance from the bone of the tail immediately over the hinder part of the buttock to the fore part of the shoulder blade, and the product by thirty-one, when the animal measures more than seven and less than nine feet in girth; by twenty-three when less than seven and more than five; by sixteen when less than five and more than three; by eleven when less than three. A deduction of one pound in twenty must be made for half fatted cattle, and also for cows that have had calves.



THE MASSEY HARVESTER.

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, ONT., CANADA.

MIDSUMMER NUMBER, 1884.

Circulated throughout the Dominion.

HAVE you ordered your Binder yet? If not, better send in your order for a "Toronto" right away. They are going fast.

If you are not too busy, come to Toronto the first week in July and see the Queen City celebrate its Semi-Centennial, a festival lasting six days, commencing Monday, June 30th. Call on The Massey Manufacturing Company when you come.

The spacious and elegant office building of The Massey Manufacturing Company is nearing completion, and when finished will be one of the finest places of business on the continent.

THE Massey Manufacturing Company are in receipt of a handsome diploma awarded to them on their Toronto Cord Binder by the Dominion and Centennial Exhibition at St. John, N.B., last October.

THE City of Toronto extends a cordial invitation to everybody to visit the City during the celebration of her Semi-Centennial from June 30 to July 5. A brilliant programme of entertainment and sight-seeing is being provided. Wednesday, July 2nd will be Trades' procession day when the different industries of Toronto will be represented, and at which time The Massey Manufacturing Company will form an important part.

When a farmer buys a binder he should consider that a few dollars saved in the start may mean a great many more dollars lost in the end. A binder is an important implement and costs too much to justify much indulgence in experimenting. A good machine, such as the Toronto, should last six or eight years, while an inferior one will scarcely answer for one harvest. The farmer who buys a Toronto binder thus practically puts his money out at interest. He invests not only for himself but for his sons who are to come after him.

A prominent daily paper circulated an item recently under the head of "dull times," referring to the fact that The Massey Manufacturing Company had discharged a large number of hands and were about to discharge more, etc. This lessening of force is NOT from dulness of trade but for the reason that The Massey Manufacturing Company are getting their work out much earlier than they ever did before, and consequently let a small portion of their staff go. Instead of the times being dull with them they are turning out a larger number of machines than they have ever done in a single season. At June 1st, 1884, The Massey Manufacturing Company had shipped nearly 800 machines more than at June 1st, 1883.

Now is the Time.

Harvest is approaching and it is time now to be preparing for it. Don't wait till your grain is ready before thinking about the machines with which it must be cut.

Examine your reaper or mower or binder at once. If any of them are so badly out of repair as to make it a doubtful question whether or not it will pay to fix them up, cast them aside and look out for new ones. Now is the time to decide what you are going to do in the matter.

If you decide to buy new machines commence investigating at once so as to find out what ones it is best to buy. Your own judgment of your own experience must largely guide your choice, but much valuable information may perhaps be gathered from those of your neighbours who have purchased machines of more recent build and more approved patterns than your own. The manufacturers of the Massey machines do not ask anything better than to have those desiring to buy to interview the owners and users of their machines with a view of ascertaining the truth about their comparative merits. Those who have used the Massey machines the longest and who are best acquainted with their characteristics, are the ones to give you reliable advice about them. We are always more than pleased to have such speak for us. If you are going to buy a mower, a reaper or a binder, now is the time to circulate around among your neighbours and get them to talking about their Massey machines.

If you have old machines that are in comparatively good order it may not be necessary for you to invest in new ones. In that case you should at once examine them to find out what they will need in the way of repairs. Don't delay this on the theory that it is unimportant and can be attended to at any time. It is important and can't be attended to at any time. Secure your repairs now and have them ready to put onto the machines before the harvest commences, so that no expensive delays will be caused. Now is the time to look after this important matter.

Admonitory.

All the indications at present point to a comparatively large wheat crop the coming harvest. Our advices are to the effect that in almost all localities there will be nearly, if not quite, an average crop. A few sections are reported as in an unfavourable condition, but others will produce a yield considerably exceeding the average.

The grass crop will undoubtedly be very large over our entire territory. Scarcely anything from this on could seriously affect it.

It is fair, therefore, to assume that the sale of machines of all kinds, but particularly of mowers and binders, will be very large. Indeed, our sales up to the present time are far in excess of those of some other years when we thought we were doing a most extensive and gratifying business.

Grass and Grain.

In a few days the click of the knives will commence and continue until it is heard throughout the Dominion sending forth the glad sound that harvest is at hand. The signal is first given in the banner Province of Ontario and vibrates away to the "Rockies," and beyond and along the hills and valleys of the East to the Atlantic. No one who has any grass or grain to cut now thinks of being without a machine to harvest it. What a mighty industry has sprung up in the last 30 years. The firm represented by this paper feel a pride in stating that they were among the pioneers in the introduction and manufacture of Mowers and Reapers in Canada.

Farmers, you cannot make a mistake in purchasing from the old and reliable firm, The Massey Manufacturing Co.

The "Toronto" still ahead.

FLASHES ALONG THE WIRE.

All the way from Texas and the South.

THE LATEST AND FRESHEST.

THE TORONTO BINDER IN 1884.

How the Machine known in Canada as the Toronto Binder is marching through the grain harvests in the South the present season.

The Toronto Binder a handsome success in heavy crops and soft ground.

THE harvesting season for 1884 has commenced in Texas. While wheat in this section is just beginning to hide the earth, there it is ready for the harvest. The Harvester and Binder known as the Toronto Binder is there and ready for it. Telegrams have been received from points in the States of Texas, Alabama, Tennessee and Georgia confirming our faith in this noble machine. It is light in draught, works like a king in tangled or short grain and is easy to manage. It binds like a charm, and does clean work. Don't make a mistake, gentlemen, and be without a "Toronto."

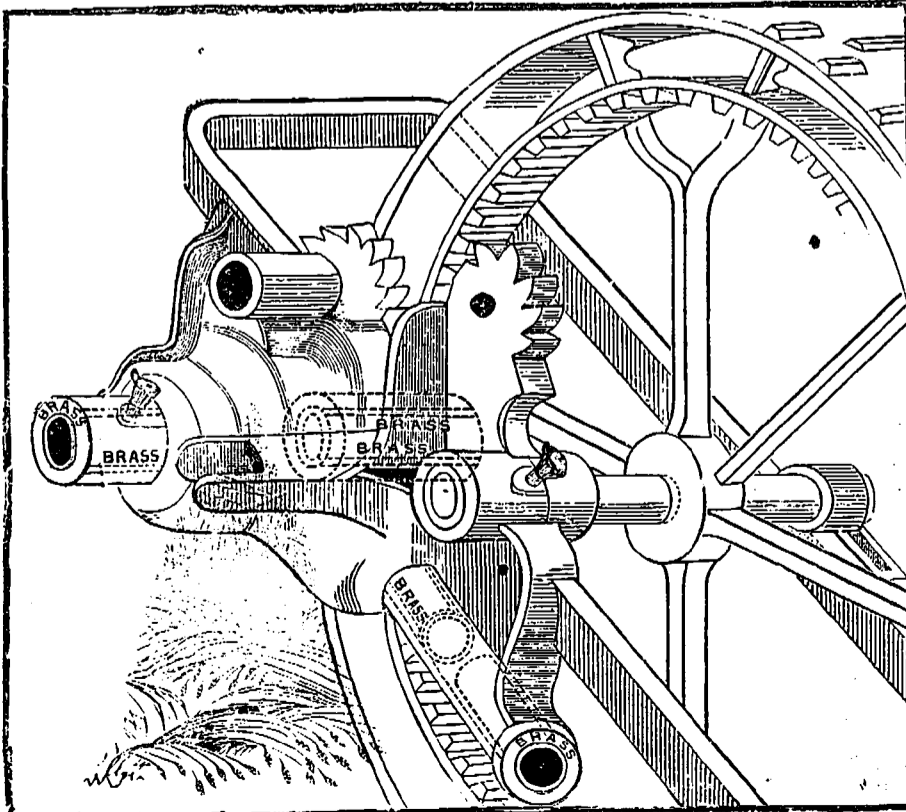
The Toronto Binder.

The Toronto Binder is made throughout with great care, and of the very finest material, and is thoroughly reliable under all circumstances, and as readily operated as an ordinary rake reaper. As a successful Harvest Binder it stands at the front of all others for simplicity, durability, and its adaptability to cutting all kinds of grain in all conditions, it has no equal. It is made of two sizes, five and six feet cut, and can be readily adjusted to pass through all ordinary gates.

WE have received a copy of the Agricultural Year Book for 1884, published by Messrs. Tippet, Burditt & Co., St. John, N.B. It is a handsome catalogue, in every way reflecting great credit on the firm represented. The pages are embellished with cuts of the machines made by The Massey Manufacturing Co., Messrs. Tippet & Co. being their sole agents for the Maritime Provinces.

Cord.

For the convenience of our customers, both old and new, we have purchased a supply of the finest Manilla Binding Twine, and would request that all our patrons who had not yet done so, to forward us their orders at once for their season's requirements to avoid any disappointment in securing it at harvest time, for should we know at an early date that we have an insufficient quantity, we would be able to have made for us an additional supply. We caution all our customers against purchasing twine from hardware men or outsiders, who are offering some of very questionable quality, and if such is used may cause much trouble and loss of time in the harvest. Binder twine is very deceptive in appearance, and to those not accustomed to the handling of it may easily suppose it to be of good quality, whilst at the same time it may be mixed with various kinds of cheap material. We will not guarantee the successful working of our Binders unless the cord is purchased through us or our regular agents. The cord is put up in bales weighing from twenty-five to sixty-five pounds each.



Principal Bearings of the Massey Harvester.

THE
TORONTO MOWER
 STILL ON TOP,
 And Leads the Van in Grass
 Cutters!

Its Brilliant Record since its introduction in 1877 stands without a parallel in the world.

10,800 now in use in Canada!

3,000 made for 1884!!

AND OVER

100,000 now in use in America!!!

This witnesses the gigantic failure talked of by its opponents at its birth.



TORONTO MOWER PASSING OVER A STONE.

Since the introduction of this Mower into Canada, in 1877, it has been carefully watched by all agents and manufacturers, and every effort and unfair means has been used to discourage farmers from buying this machine. Their efforts have proved futile, and their baseless falsehoods told about it now stare them in the face, and this little machine cries "Defiance" to all. All of these machines that were made in 1877 are still in good working order, many of them having cut over 2,000 acres of grass, and it is yet an unsolved problem how long a Toronto Mower will last, and from investigations made in the States in regard to some that were made in 1874, are still in good running order, and no man has ever seen one wear out. Of course the knives will wear out in time, or some parts may be broken accidentally, but they are all easily replaced.

The main working parts, the gearing, shafts, bar and pitman, will never wear out on the Toronto, and if they wear at all the slack is easily taken up. This machine contains but two cog-wheels working on a peculiar principle (an exact description of which is shown on the engraving below) by which the slow revolving motion of the master wheel what is changed into the rapid forward and backward movement required by the knife. When these wheels are at work eleven cogs are always in contact at the same time. In this way the strain of friction is distributed over a large surface, and the cogs show scarcely any wear after many years' service. The power to the knife goes direct from the main gear wheels, without any joints or loose connections or intermediate gear wheels, causing little, if any, friction, and no loss of power. The foot lever on the Toronto Mower, which is placed convenient to the driver, is a grand arrangement. By it the driver can instantly tilt the guards up and raise the cutter bar so as to pass over any ordinary obstructions, or so as to pass over the cut grass at the end of the swath, when turning the corners, without taking his hands from the lines or reins, or neglecting his team in any way. With the hand lever the cutter bar can be instantly raised to a perpendicular position, so as to pass by trees, stumps or large stones. This can be done without throwing the machine out of gear. These very valuable features are found only on the Toronto.

BURNSIDE, MAN., April 22nd, 1884.

Massey Manufacturing Co., Toronto:

DEAR SIR.—We wish to inform you that the Toronto Cord Binder we purchased last season from Irwin & McKay, your agents at Portage La Prairie, has given us good satisfaction, and we believe it is constructed of the best material of any machine in the market at the present time, and we cheerfully recommend it to any of our fellow farmers wanting a good machine.

Yours truly,

W. EDWARDS.

SAMUEL EDWARDS.

Alphabet of Rules.

- A**ttend well to business.
- B**e punctual in your payments.
- C**onsider well before you promise.
- D**are to do right.
- E**nvy no man.
- F**aithfully perform your duties.
- G**o not in the path of vice.
- H**ave respect for your character.
- I**nterfere not with the rights of others.
- J**udge no man.
- K**now thyself.
- L**ie not for any consideration.
- M**ake few acquaintances.
- N**ever profess what you do not practice.
- O**ccupy your time in usefulness.
- P**ostpone nothing you can do now.
- Q**uarrel not with your neighbor.
- R**ecompense every man for his labor.
- S**ave something against a day of trouble.
- T**reat everybody with kindness.
- U**se yourself to moderation.
- V**ilify no person's reputation.
- W**atchfully guard against idleness.
- X**amine your conduct daily.
- Y**ield to superior judgment.
- Z**ealously pursue the right path.
- &**—Moral—You will be happy.

Fitznoodle in America.

LAWLESSNESS.

Ya-as, the longah I weside he-ah the more I am surprised at weading everwy day in the newspapahs of the shocking murdahs, shootings aw lynching—in short the complete weign of terwah which exists. In fact, one he-ahs of these things so fwequently that it becomes quite difficult to wealize their enormity, and Americans get used to it; and these cwimes in many instances attwact verwy little attention. And yet, in some parts of the country, it is more dangerous to twavel than in wemote wegions of the world where pwofessional savages weside. This appe-ahs to be the case especially in the Southern States of this country, where the people pwide themselves on their chivalwy. Ye-as it is a quee-ah kind of chivalwy where a fellow who feels himself aggwieved immediately dwaws a pistol and deliberwately murdahs the man who has offended him. The essence of chivalwy in the olden time was to give anothat man as fai-ah a chance as yourself, but these Southern fierwy wowdees fire their pistols as soon as they see the othat fellow, and they have the pwesumption to call themselves gentlemen, and get dweadfully angwy if anyone speaks of them as semi-barbarwians. Don't mean to say, ye know, that there are no murderwahs in England; but no man there evah walks about carwyng loaded pistols in his pocket, weady to kill anybody who has done him a weal or fancied injurwy.

And what makes mattahs worse with these American shootahs is that they fwequently kill the wong man; and, more fwequently, go scot free aftah committing the murdah, the twial—if there be one—degenerwating into nothing but a woarwing farce.

And then, in some othat parts of Amerwica, there is no such thing as wespect law. A fellow steals a horse or commits wobberwy, and is apprehended by the authorwities. If he is not appwehended, a mob usually composed of much gwetah scoundwels than the thief, wuns aftah him and stwings him to the nearwest twee, in spite of pwotests of aw sherwiff's officers. If the offendah is lodged in pwison, then this wascally mob bwreaks into the jail, seizes the unfortunate pwisonah, and pwceeds to hang him without any twial at all. This kind of thing is being done almost everwy day of the week.

I should aw like to know what is the use of having laws at all, if they are not wespected and the Government isn't stwong enough to carwy them out? It is a fwightful state of affiai-ahs, and the Americain people ought to feel ashamed of themselves to allow it to continue. I have often heard Jack Carnegie say that no country can be gwreat or swee where human life is held so cheap, and I believe he is wight aw.

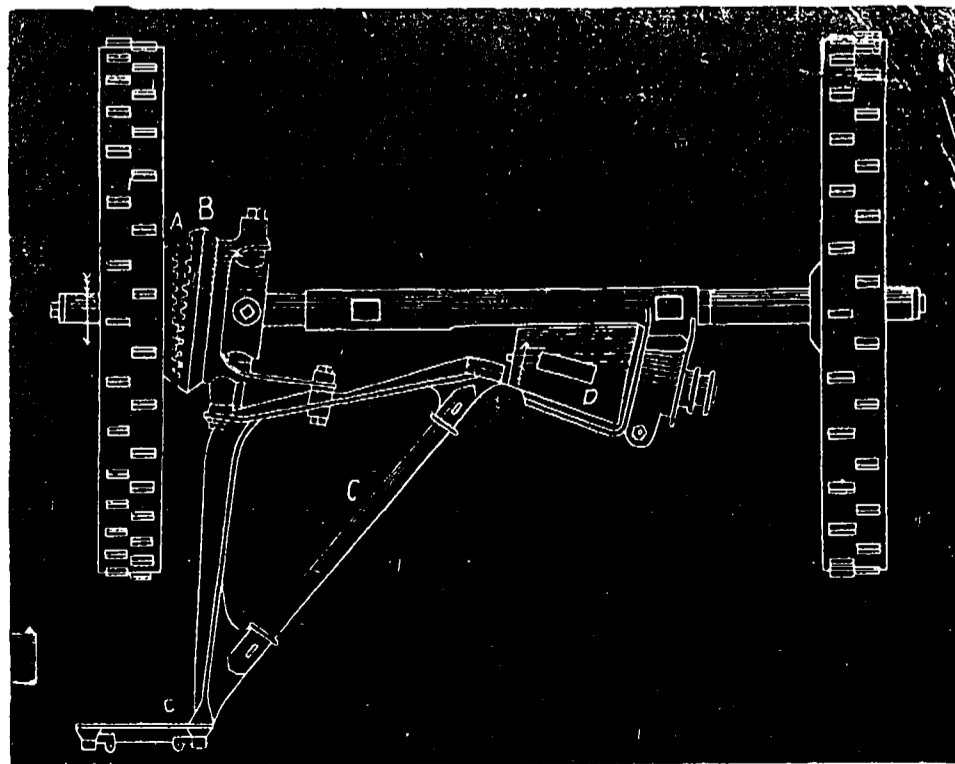
FORMOSA, ONT., March 17th, '84.

To the Massey Mfg. Co.:

DEAR SIRS,—The Massey Harvester purchased from your agent, Mr. W. J. Best, last season has given entire satisfaction. We tried it in all kinds of grain, especially in oats, of which we had the heaviest crop for some years back. The oats were down flat, but the machine made good work. It has come up to all that it has represented to be, and I find it light on horses, easily managed in every respect, and I believe it is the best machine that can be procured.

Yours truly,

JOHN FISCHER.



This Cut represents the Mechanical Motion peculiar to the Toronto Mower.

THE JOY OF THE FARM!
SHARP'S HORSE RAKE,
 Simple. Durable. Unexcelled.

ANNUAL PRODUCTION, 4,000.

The Most Popular Rake made!

Still sold on the Terms: "No Equal or No Sale."

We claim that this Rake has no superior, and we sell it upon our old warranty of "No equal or no sale."

The cause of its immense popularity is said in three brief sentences, viz.:

The style of construction.

The manner of construction.

The material used in its construction.

We have the longest experience in the manufacture of Hay rakes of any manufacturer in the Dominion. Our facilities are exceptional, our Rake Department being fitted with special tools for the making of this Rake.

Every part is made in our shops and under our own supervision. The material entering into its construction is of the finest quality money can purchase.

The spokes are made from well seasoned hickory. It has 24 steel teeth, all of which are oil tempered and tested 22 to 24 inches, a much greater strain than is ever brought to bear on them in the field.

It is easily held down to form any sized winnow desired by the operator. It is both a self and hand dump, and is easily operated by a child capable of driving a horse.

Comments on the Rake almost appear superfluous when one looks at the great number sold each year. There is scarcely a concession in Canada where the Sharp's Rake is not well and favorably known, and now that the season for purchasing is at hand, no time should be lost in examining thoroughly into the merits of each kind.

Samples may be seen at any of our agencies, or better to make direct inquires from your neighbors who have used them for many years.

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
1884	4,200	1884

26,800

26,800 Sharp's Horse Rakes made by the Massey Manufacturing Co. since 1874. See the increase each year and consider 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.

To the Moolley Cow.

What an easy fate hast thou,
 Moolley Cow!
 All your live-long life you pass
 Eating grass;
 And when you cannot get it, eating hay,
 I dare say.
 Which is why I said just now:
 What an easy fate hast thou,
 Moolley Cow.

Care ne'er ruffles your fair brow,
 Moolley Cow!
 Or, If it ever does, I do not know
 When and how.
 Is it when your calf is weaned,
 And a friend
 Takes it where you cannot go,
 Yet can hear its plaintive low,
 Moolley Cow?

Is it when the dogs bow wow,
 Moolley Cow?
 When they at your ankles run,
 Just for fun?

Does it hurt
 When the butcher deals a blow
 On your unexpectant pow,
 Moolley Cow?

Does your head with sorrow bow,
 Moolley Cow,
 When your calf is turned to veal
 For a meal—
 Or rather for a dozen or a score,
 Or for more?
 And does your spirits grieve
 That I now must take my leave,
 Moolley Beeve?

N. B.—The blank line represents the time consumed in getting out of the cow's way.

WM. CULLEN LONGFELLOW.

Measuring Grain in Bulk.

Stack or pile it in the form of a cone or pyramid, then multiply the area of the base by one-third the height. The area of the base may be ascertained by multiplying the square of its diameter by .7854.

How often we hear this very true little story, "My Toronto cost me about \$25 more than I could have bought other machines for. But it has now been in constant use for six or eight years and is practically as good as new. Some of my neighbours bought other machines and they have been obliged to renew them two or three times since. I calculate, therefore that I am something considerable ahead of them in the long run."



THE SHARP'S RAKE.

Here it is—No Sagging or Warping!

THE CUTTING APPARATUS

USED ON

TORONTO LIGHT BINDER.

We guarantee it to be unequalled by any other in the world.

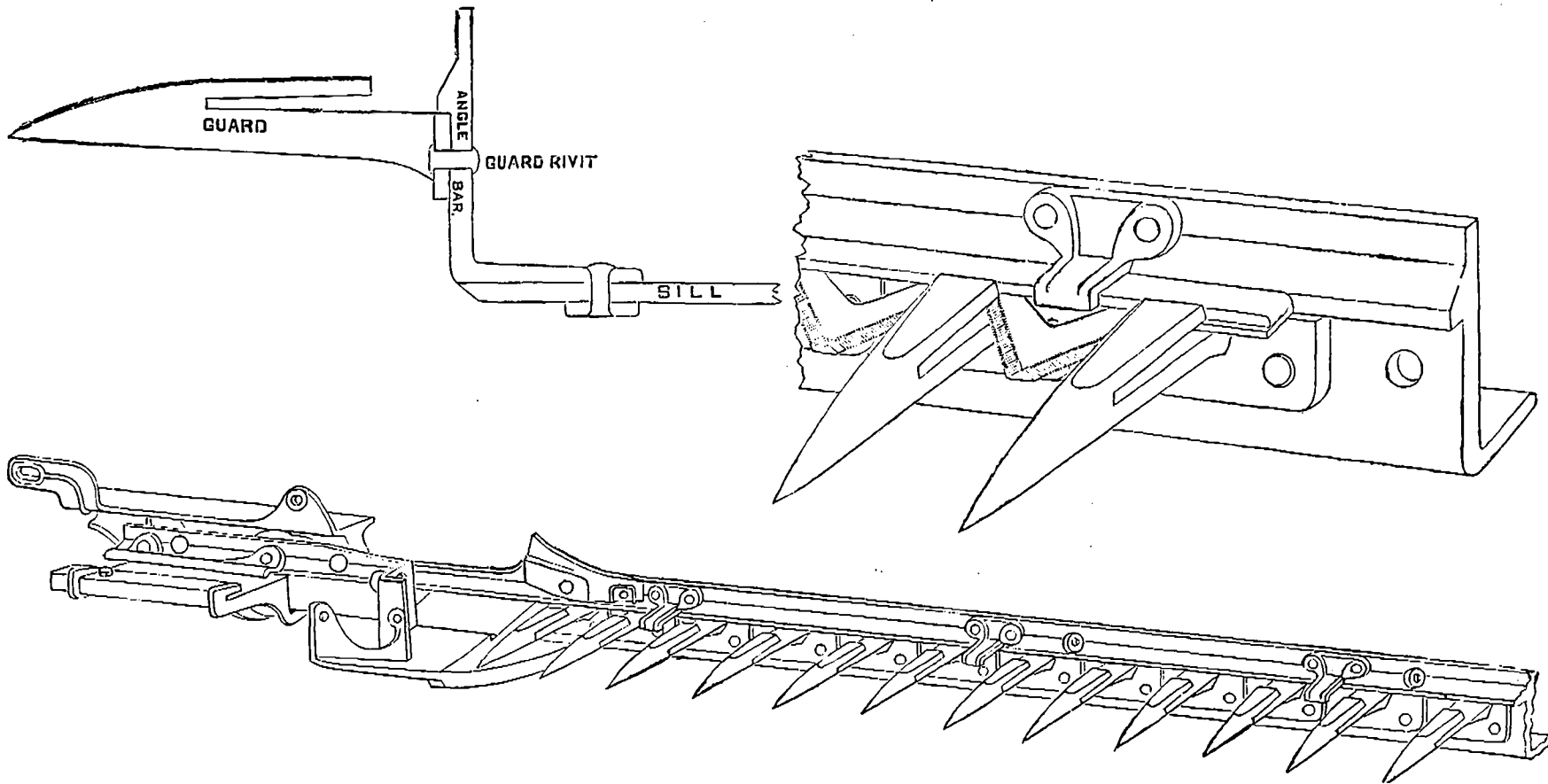
The Toronto Knotter with the only Adjustable Stripper and Cord Knife.

The Cutting Apparatus on the Toronto Binder, which is the vital part of any harvesting machine, is vastly superior to that used on any other Binder. The Cutter Bar being made of steel and planed perfectly true and straight, by the use of such a bar all danger of sagging or warping is entirely overcome. The canvas is also allowed to run within about 1/4 inch of the back of the knife, and instantly removes all short grain. This cutter bar is not attached to a wooden bar and placed there merely to strengthen a wooden cutting apparatus, but is solid and supports the whole platform and is able to withstand any pressure brought to bear on it without danger. It will not sag; it will not warp; it will not rot from exposure. The guards are of the very finest

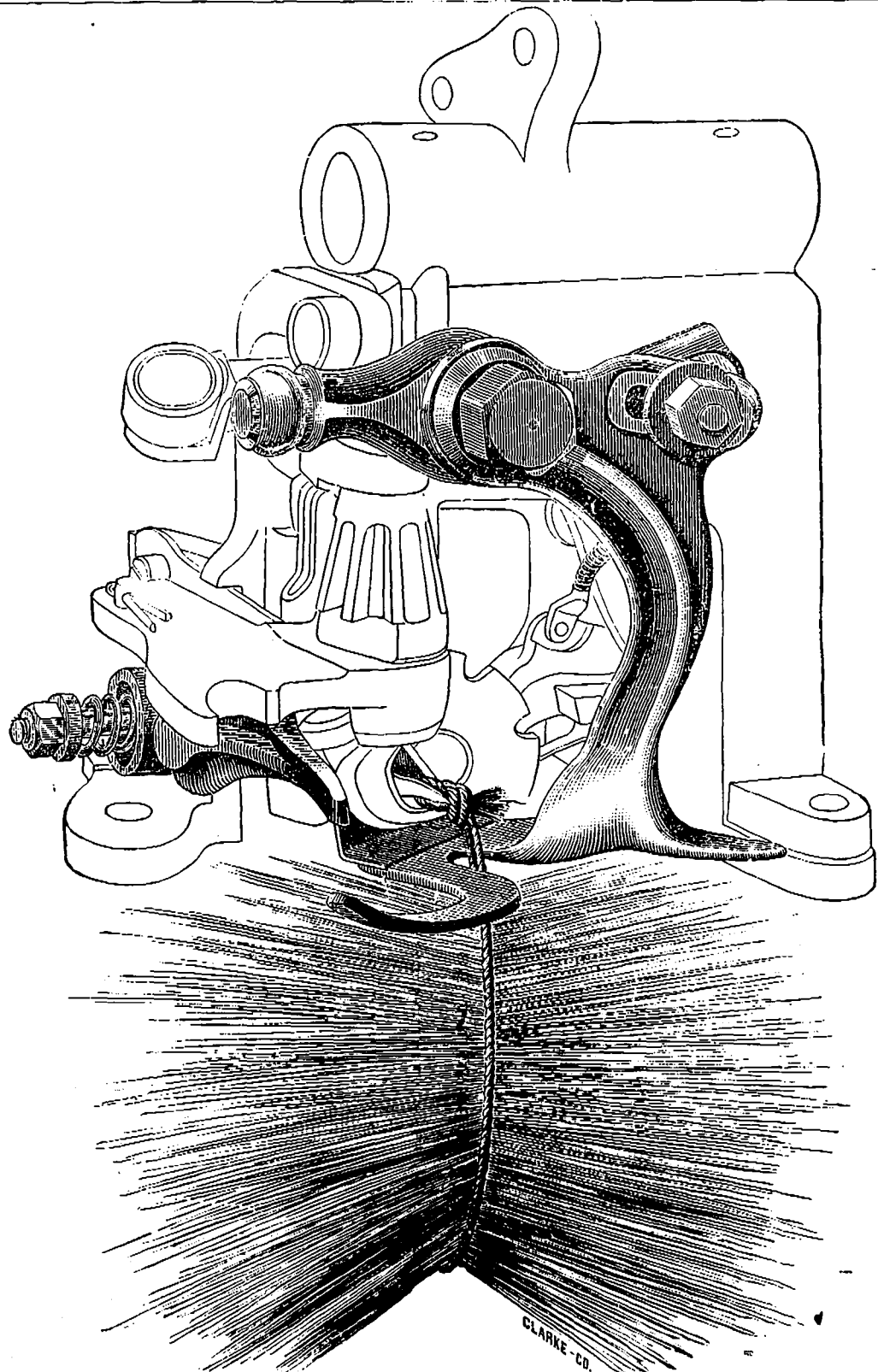
quality of wrought-iron forged solid, and the slots through which the knives pass are sawed out of the solid metal. They are case-hardened, converting the cutting edges into steel. The Pitman is driven in a straight line with the knife the same as a mowing machine and has the famous "Toronto" connection. This makes the best cutting apparatus ever produced, whilst other harvester binders use a wooden cutter bar or combined with wood and iron, which will always causes considerable annoyance in rotting, sagging and warping, and heavy running of the knife.

Farmers, examine thoroughly before you buy. A Binder is an expensive article and judgment should be

used in purchasing. Whilst we do not pretend to offer you a machine at as low a figure as many others you may be able to purchase, yet we do guarantee the "Toronto" to be a superior machine every way, and is worth fully seventy-five dollars more than any other in the market, and those that use them will say so. We use steel where others use wrought-iron. We use malleable iron where others use cast iron. We use hard wood where others use soft. Every farmer will admit that these materials are far the most expensive in use and that they are better and more durable. And we again repeat that the "Toronto" (whilst not lowest in price) is the lightest, strongest, most compact and perfect working Binder in the world, and a machine that never refuses to handle any grain that grows under all circumstances.



THE TORONTO BINDER CUTTING APPARATUS.



The above cut is intended to represent the special features of the Toronto Knotter, viz: The Adjustable Stripper, the Knife after the cord has been taken off, the Stripper in the act of stripping the knot from the Bill Hook, while the adjustable cam is held firmly against the roller or bill hook tongue by the pressure of the spiral springs used for that purpose.

The Toronto Knotter.

The Knotter on the Toronto Binders is the most simple, reliable and complete arrangement, combining the advantages of the single yielding disc in connection with the Cord Finger. The Stripper used on the Toronto Knotter is the only adjustable stripper with cord knife attached used on any Binder, and the only Stripper which can be adjusted to lay the cord at any desired point upon the bill hook or so that the cord knife will cut the cord at the exact time desired. Whilst the Knotter is originally of the Appleby Tyer, we have added many valuable features and improvements not used on any other machine.

NOTE.

We claim to have adopted the only complete system of duplication in the manufacture of harvesting machines and we challenge the world on that point. Each part of the machine is made in duplicate, each piece a fac-simile of the other. They are all interchangeable and no fitting is required when it becomes necessary to replace parts that may be broken or worn out—an important feature in getting repairs, and should not be forgotten.

CARBERRY, MAN., June 4th, 1884.

T. J. MCBRIDE, ESQ.,

Manager The Massey Mfg. Co., Winnipeg:

DEAR SIR,—Our attention has been drawn to several testimonials in A. Harris, Son & Co.'s circular condemning the Toronto Binder and giving the "Brantford" the preference. Our experience has been the reverse. We purchased one of your Toronto Cord Binders in 1882, cutting a harvest of 170 acres. Last season we bought one of the "Brantford's" and ran the two machines together all through the harvest. The "Toronto" cut fully a foot wider and ran just as light. There are several points in the "Toronto" we like better than the "Brantford," namely, the Reel, and the way of raising and lowering the machine. We could never cut full with the "Brantford," without walking one of the horses in the grain. We believe the "Toronto" is a better built machine and made of better material. We think it is good for ten or fifteen years. If we were buying another Binder we would certainly buy the "Toronto."

Yours respectfully,

JNO. MCLAREN,
DOUGALD MCLAREN.

THE
MASSEY MOWER

As a Grass Cutter equal
in all respects to its
sister, the Toronto.

In age it is not so old, but its
popularity is rapidly
increasing.

1000 MADE FOR 1884.

This Machine has been before the public since 1879, during which time it has grown rapidly into favor and has been justly called a "little gem." So great has been the demand each year that we have never been able to supply all those who have desired to purchase this machine.

As a grass cutter it has no superior. It is extremely simple in its construction and well made, weighs about 600 pounds, and cuts a swath of 4ft. 3in.

Its gear is very strong, neat and compact. Enclosed in a strong iron box, which thoroughly protects it from all dirt. The quality of the material is of the very finest. Its shafts are made of steel with highly polished surface which runs in brass bearings.

The tilting apparatus of the Mower is very complete, the lever being conveniently situated that the driver can instantly lower the guards to cut the very worst down clover and grass, or raised to cut a higher stubble or pass over stones or obstructions.

The lifting lever is also a very great convenience by the use of which the bar can be quickly raised to pass large stones or stumps without stopping the knives or team. It runs very still and the draft very light, it is less liable to get out of order than any other Mower.

The guards are of malleable iron in which are hardened steel plates securely riveted. These plates may be easily removed and replaced at a small cost at any time when worn out.

If you raise heavy hay crops and would harvest them successfully the Massey Mower is the machine you want. There is nothing in the shape of fodder it will not cut, and do it in a superior manner and without the vexatious delays incident to so many low price shoddy machines.

Remember the Massey is guaranteed "all wool," and its operation in the field fully warranted.



BROWN: "Confound it! Did you see me kiss this lady?"
BOY: "Well, I'm not stone blind."
BROWN: "Here's fifty cents—you needn't say—"
BOY: "Oh, its all right, I've made over ten dollars off of her this summer."

Levy's Out!

The Catskill Mountains are full of Jews.—*Daily Paper.*

Go, Isaac, und put the shutters up,
Und take the tree palls down;
Ve'll stop the pizziness for a week,
Und go us oud of town.

For tings was very tull shust now,
Und gustomers was few,
So you und mudder und meinsel
Vill go dose Gadskills trough.

The Cohens und the Rosenbaums,
The Solomons und Steins,
Are trough dose mountains, down und up,
Und having sholly dimes.

Ve'll wear our gustomers' di'mond rings,
Deir chains und vatches, too,
Dot shute of glo'es ve last took in
Vill shust apout vit you.

Then ve vill do shust as ve please
Und have the best. 'Tis said
Dere is none of our class or set
Dot vas pashful or afraid!

Ve'll keep ourselves ride in der front,
(As your fadder always does)
"So hellup me gracious," voiks vill say:
"Dey are rich as never vas."

Perhaps before our dime is up
You'll get yourself 'ne Frau;
Then pote can keep a proker's shop,
As mudder und me does now.

So, Isaac, put the shutters up,
Und take the tree palls down,
Und paste a baber on the door
Saying: "Levy's out of town."

JEWLY, 1882.

J. A. S.

THE
Massey Mfg. Co.'y,

Office and Works:
701 King Street West,
TORONTO, ONT.,
Cor. of Massey St.

BRANCH HOUSES AT
WINNIPEG, MAN.,
27, 29 and 31 King St. West,
(Near Market).
T. J. McBride, Manager.

ST. JOHN, N.B.,
Tippet, Burditt & Co.,
AGENTS.

MONTREAL, QUE.,
103 to 108 Common Street,
JAS. H. SHARP.

Agencies in Manitoba and the North-West:

MANITOBA:

Balmoral.
Beulah.
Birdle.
Brandon.
Carberry.
Deloraine.
Gladstone.
Glenora.
Griswold.
Grund.
Langvale.
Lorette.
Manitou.
Minnedosa.
Morris.
Nelson.
Niverville.
Portage la Prairie.
Russell.
Souris-Plum Creek.
Stonewall.
Sunnyside.
St. Agathe.
St. Anne.

MANITOBA:

St. Norbert.
Treherm.
Virden.
West Lynne.
Winnipeg.

ASSINIBOIA, N.W.T.:

Broadview.
Grenfell.
Indian Head.
Medicine Hat.
Moosomin.
Qu Appelle.
Regina.
Troy.
Whitewood.
Wollseley.
York City (York Farmers
Colonization Co.'s Lands).

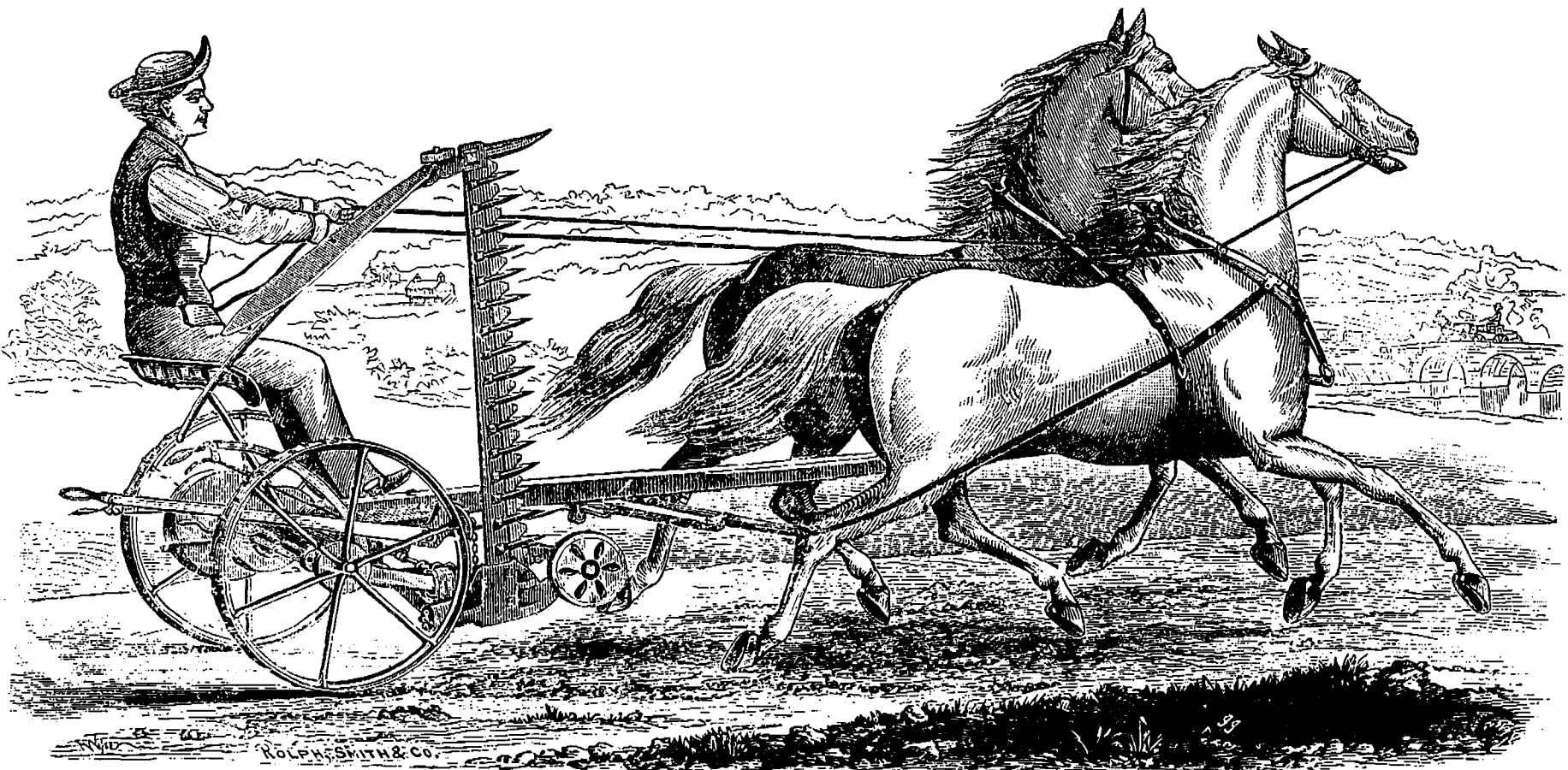
ALBERTA, N.W.T.:

Calgary.
Edmonton.
Fort McLeod.

Saskatchewan Ter.:

Battleford.

Binding Twine and Repairs may be procured on application at any of our agencies.



THE MASSEY MOWER ON THE ROAD.