

## HERE IT IS! The New Sheaf Carrier, USED ONLY ON The Toronto Binders.

Purchasers of the Toronto Binders will save the expense of an additional hand in the harvest field.

### Prominent Points on the Toronto Binders.

#### THE CUTTING APPARATUS

Is conceded to be the most complete ever produced. The advantages of the angle finger bar made of cold-rolled iron with wrought iron case hardened guards, riveted firmly to the bar, the pitman working on a direct line from the fly-wheel to the heel of the knife, all substantially the same, and making the same complete cutting apparatus as is used on all the other Toronto Machines, will be observed and appreciated by those who have experienced serious difficulties in the use of other machines on account of the indirect manner of communicating motion to the knife, by the use of the old style double back action walking beam, wooden pitman shaft; also wooden or combination finger bars, &c.

The large substantial reel which is firmly attached, entirely under the control of the operator, and by the use of a lever, conveniently arranged for that purpose, can be raised and lowered instantly to any desired height, and is driven by a substantial sprocket chain with sufficient power to reel up and into the cutters and back to the conveying belt. Any kind of grain, entirely obviates the objections urged against the old style, light, flimsy reels used on other machines. By the use of a large wide-faced grain wheel, firmly secured to the grain divider by the slotted plate to which the grain-wheel is substantially

attached by means of a case-hardened spindle and heavy bolt passed through the plate, spindle and washer, securing it firmly in position, with a lever connection conveniently arranged for instantly raising and lowering the cutters to any desired height, the objections to the small grain-wheel (used on other machines) causing the machine to run hard and irregular on rough ground, and to mire down and swamp in the mud, have been entirely overcome.

The difficulty so often experienced by the farmer in the use of the canvas belts for conveying and elevating the grain, on account of the shrinking and stretching of the belts, and the almost impossibility of keeping them tight enough to perform their work, and yet not tight enough to cause any unnecessary friction and destroy the belts, has been entirely obviated in the Toronto by the use of a peculiarly constructed and much more substantial belt in connection with the large driving rollers, and

#### THE HEAVY TENSION SPRINGS,

Used for keeping the belts constantly stretched to a certain desired tension, the springs expanding or contracting to conform to the shrinking and stretching of the belt. In this connection the belts are wider and stronger than those used on the ordinary Harvester, giving much more and sufficient room for conveying and elevating the heaviest grain into the Binder receptacle.

The arrangement of the conveying or platform canvas belt, in connection with the angle finger bar, which permits the front edge of the belt to be run within three-eighths of an inch of the back of the knife, thus taking the grain almost out of the guards (in connection with

the vibrating arm or relief rake) which pushes the grain back at the heel of the bar entirely on to the conveying belt; also the use of a steel shield or guide, which prevents short grain from dropping at the end of the conveying belt and guides it into the elevating belts, which never fail to elevate and deposit the grain into the binder receptacle, entirely obviate the serious difficulty experienced by some in the use of other machines on account of very short grain lodging on the finger bar in front of the conveying belt and clogging up at the heel of the bar.

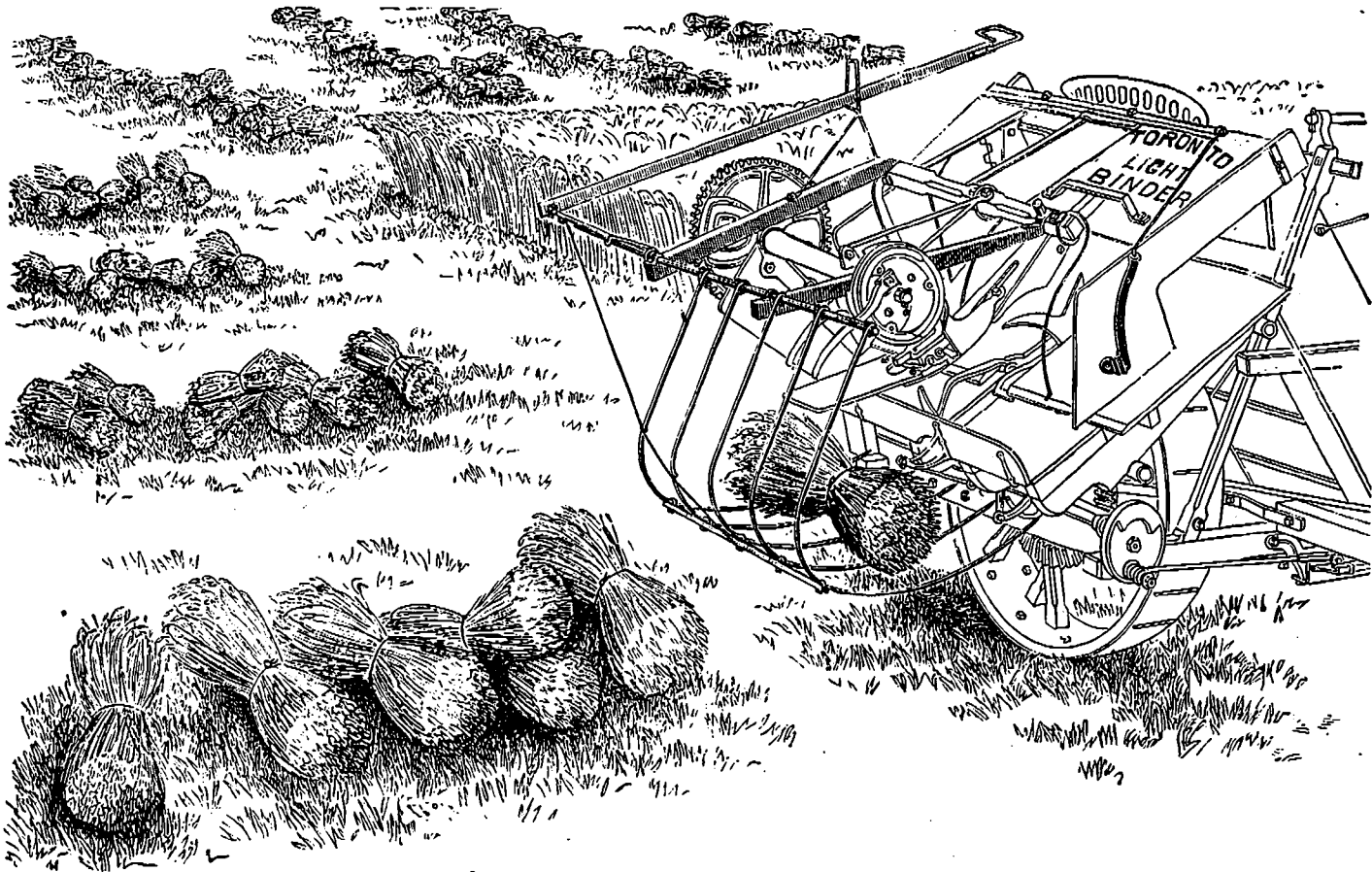
#### THE MASTER WHEEL

Is 40 inches in diameter, with extra wide face, peculiarly constructed of iron and wood. The centre is of iron, with straight wooden spokes set bracing from the sockets in the iron centre to the rim, and forced together under a hydraulic pressure of ten tons, and secured by means of four bolts which clamp the centres in position, making the strongest and most durable wheel ever produced, and remedying entirely the objection to the light, flimsy driving wheels generally used on other machines.

#### THE DRIVER'S SEAT

Is located low down on the rear of the machine, enabling the operator to command all of the working parts of the machine, and make all necessary adjustments without leaving his seat. The conveying and elevating belts and reel are all driven by one substantial sprocket chain, which is conceded to be the most simple and complete arrangement for driving the belts, reel, etc., ever devised. The harvester is

#### PERFECTLY BALANCED



A FIELD SCENE.

On the driving wheel and grain wheel, which are on the same line, and enables the machine to be backed and turned as easily as a cart, while the levers are tilting, raising and lowering the height of cut, adjusting the reel, etc., are conveniently arranged for the operator, enabling him to raise and lower the cutters, reel, etc. instantly from the highest to the lowest, while the machine is in motion.

#### THE AUTOMATIC BINDER

Used in connection with the Toronto Harvester is what is known as the Appleby type or bill hook tyer, but with many different features and valuable improvements used only by us, among which are the peculiar style of automatic packer for taking the grain from the elevator and packing it into compact form for binding; also the adjustable hinge wings for guiding the grain at the butts and heads, and forming the bundle, **the Independent Trip or Set-off**, by which the operator is enabled to absolutely control the size of the bundles. The trip lever is perfectly independent of the compress, and is operated by the pressure of the grain direct without reference to any of the other working parts, and is admitted by all to be the most perfect trip in use.

J. H. Walton, of Peterboro' writes us under date January 14, 1884, "The Toronto Cord Binder I bought of you in 1882 has done good work and has not cost 20c. for breakage."

### TESTIMONIALS.

PORTAGE LA PRAIRIE, Man., 27th Nov., 1883.  
MESSRS. IRWIN & MCKAY,  
Agents Massey Mfg. Co.:

GENTLEMEN,—In answer to your inquiry as to how I am satisfied with the Toronto Cord Binder, I beg leave to say that I am more than satisfied with it. I candidly believe it is the best Binder in the market at the present time, and would not hesitate to guarantee it would satisfy any reasonable man.

Yours respectfully, JOHN ORR.

ADMASTON, Co. Renfrew, October 20th, 1883.  
The Massey Manufacturing Co., Toronto:

GENTLEMEN,—The Toronto Cord Binder purchased by me from your agent, T. Stafford, has given good satisfaction, and I have cut 175 acres with it this season. I consider that for a self-binding harvester it is the best I have seen and would recommend it to all farmers.

Yours truly, WM. SHARP.

BEATRICE LODGE, Fort Qu Appelle, Man.  
Massey Manufacturing Co.:

GENTLEMEN,—The Toronto Binder I purchased from you has given entire satisfaction. Besides cutting 75 acres of my own crop and 50 acres for my neighbors, I have not lost five minutes from the machine getting out of order, and always did its work well. Every one I cut for was highly pleased, in fact lauded it for its work.

Yours truly, J. E. A. LEECH.

CHINGUACOUSY,  
Oct. 25th, 1883.

Massey Mfg. Co.:

GENTS.—We, the undersigned threshers, having this season threshed a large quantity of grain, bound by self-binding machines, we can positively say the grain we threshed for Mr. Christopher Anderson was the best bound and neatest sheaves we have threshed this season, which was bound by one of your Binders.

ALEX. DENNISON.  
FRANCIS DENNISON.

OTENAW P.O., Man.,  
Oct. 6th, 1883.

Massey Mfg. Co.:

The Toronto Cord Binder that I purchased through your agent, Mr. J. Bryan, two years ago, has given me good satisfaction. I have used it for two seasons and

have cut four hundred acres with it and it has not cost me one cent for repairs yet, and am well pleased with it.

Yours very truly,  
GEORGE W. CRAMER.

ALEXANDER, MAN., September 21st, 1883.  
Agent of Massey Man. Co., Brandon:

DEAR SIR,—The Toronto Cord Binder which I purchased from you this season has given me entire satisfaction and I have seen no other Binder that I would prefer to it. I will give you an order at an early date for another Binder for next season.

Yours respectfully,  
GEO. G. HILLIARD.

RAPID CITY, MAN., Sept. 13, 1883.  
Massey Manufacturing Co.:

GENTLEMEN,—I bought a Toronto Binder of your agent, Mr. Carey, last season, and I find that it does its work in a good and satisfactory manner, and I find she does not require any section arrangement to elevate her on the main wheel, as on other Binders, and I can recommend her to any one getting a Binder.

WILLIAM HEDLEY.

PILOT MOUND, October 3rd, 1883.  
To T. J. MCBRIDE,  
Manager Winnipeg Branch:

SIR,—It affords me much pleasure to be able to send you a written testimonial with regard to the Toronto Cord Binder I purchased from P. Shaver, at Pilot Mound. I have cut one hundred and twenty-five acres without any delay. It is light of draft and made of good material. I can safely recommend it to my neighbors and farmers at large. I think you will sell a number in this locality next season.

JAMES ROOK.