

## THE TORONTO LIGHT BINDER

Acknowledged the Best,  
Proved the Best,  
And is the Best  
Harvester Binder made.

Farmers unanimous in the verdict of its Superiority.

CUTS CLOSER,  
DRAWS LIGHTER,  
ELEVATES EASIER,  
KNOTS BETTER,  
Than others, and is thoroughly reliable under all circumstances.

The attention of the whole farming community throughout the civilized world is now and has been, during the past four years, drawn towards the advancement to perfection of Grain Binding Harvesters. Year after year has brought many changes and useful improvements in this line of machinery, and the great aim of all manufacturers has been to reach perfection in the least possible time, whereby the Binder would take the place of the ordinary Reaper. The Toronto Binder was the first Cord Binding Harvester to enter the Canadian harvest field in 1880, a large number of which were sold the following year, giving every customer perfect satisfaction, but so rapidly have we made changes to reduce the machine in bulk and weight that the Toronto Binder of to-day resembles very little the one of five years ago.

The Toronto Light Binder, as it is now called, has reached PERFECTION in every particular and will enter the harvest of 1885 with few changes from 1884 machines. The record it has made during the past five years has been unequalled by any other, and that of 1884 has been the most brilliant ever earned by any harvesting machinery on the continent of America; this assertion may appear broad, but it is nevertheless true. It has contested against nearly every kind of Binder in America, and has in every case been the VICTOR. The Toronto Light Binder, like its smaller companion—the Toronto Mower—has become the favorite throughout the Dominion, and is destined always to command the first attention of the Canadian farmers.

To many or the majority of farmers, all Binders have a like appearance, and they are unable to distinguish any practical difference between one and the other, and we shall here endeavor to point out some of the valuable features on the "Toronto," not found on other Binders; and whilst there is a great similarity amongst all others, the "Toronto" will be found, in superiority, a distinguished machine in itself.

We do not build the Toronto Binder for a matter of cheapness, by making them of a flimsy class of material so as to realize the greatest amount of profit, but we build them for durability and strength, whereby the purchaser

will realize the greatest satisfaction and the best value for his money invested. Nothing but the very finest grades of materials that money can buy are used, and every care in the workmanship is taken to ensure perfect construction throughout the machine; and every machine is thoroughly tested before leaving the factory, thereby saving a great amount of trouble when starting in the field.

The Lumber used is mostly White Ash and Hickory of the choicest qualities and well seasoned, most of it being in our lumber piles from two to four years, and as our stock rarely is below two millions of feet, enables us always to have ready for use a large quantity in the very finest condition.

Malleable Iron and Steel being its chief component parts, are used in much larger quantities than in any other Binder; and one of the first points that a farmer should enquire into (before placing his order) is, Of what class of material is the machine constructed? and we ask a special examination of the "Toronto" in this particular.

The Shafts are all of the finest Steel, in place of a rolled iron, as is generally used.

The Cutter Bar is of Cold Rolled Steel, of angle shape, with a recess to hold the guards in proper line, making it the strongest and best cutting apparatus ever used on any harvesting machinery; and we wish to call attention—that this bar is not attached to any wooden bar or sill, to warp or rot, but is constructed in one solid piece of steel supporting the whole platform.

The Reel is constructed open and is the lightest, strongest and best in use; by being open, it allows for the perfect reeling in of all lengths of grain; it never sags at the outer end, as do all cylinder reels, which cause great annoyance and danger in breaking. The Standard upon which the Reel is placed is very strong (Malleable), and by the convenient location of the lever to the driver, it can be instantly adjusted for all lengths and conditions of grain.

The Relief Rake at the inner corner of the platform is used only on the Toronto Binder and serves to even up the butts and prevent the delay of the upward flow of the grain, also clearing the inner corner of the cutting apparatus.

By the use of this bar, not only is greater strength and durability obtained, but it enables the Canvas to run within half an inch of the back of the knife and readily carries all short grain to the Elevators.

The platform Canvas guides are fitted with springs, which allows for all contractions of the belts from whatever cause, and permits of free and easy running at all times.

The Elevator canvas guides are also supplied with spiral springs, which allows for great expansion when elevating heavy grain.

Pitman is run in a direct line with the knife the same in a mowing or reaping machine, allowing for the removal of the knife from the guards, and avoids those connections and joints so incidental to all methods of driving the knife.

The "Toronto" pitman connections are used to connect the pitman to the knife heel, by which all slack and can be readily taken up by means of the ratchet for that purpose.

The Tilt Lever rock shaft is constructed in one piece, with a direct connection to the pole, thus avoiding the slack joints incidental to the ordinary construction—of two or more pieces for the tilting lever shaft.

The Tilt Lever is very conveniently located to the driver, that the machine can be instantly lowered or raised to cut from the lowest to the highest stubble.

The new system of gearing employed on the Toronto Binder is the most perfect in use, and permits the main frame to surround the driving wheel, and carrying the entire working parts of the machine on four pieces or sills only.

The Main Driving Gear is made adjustable to its pinion, and overcomes the possibility of ever wearing out of mesh.

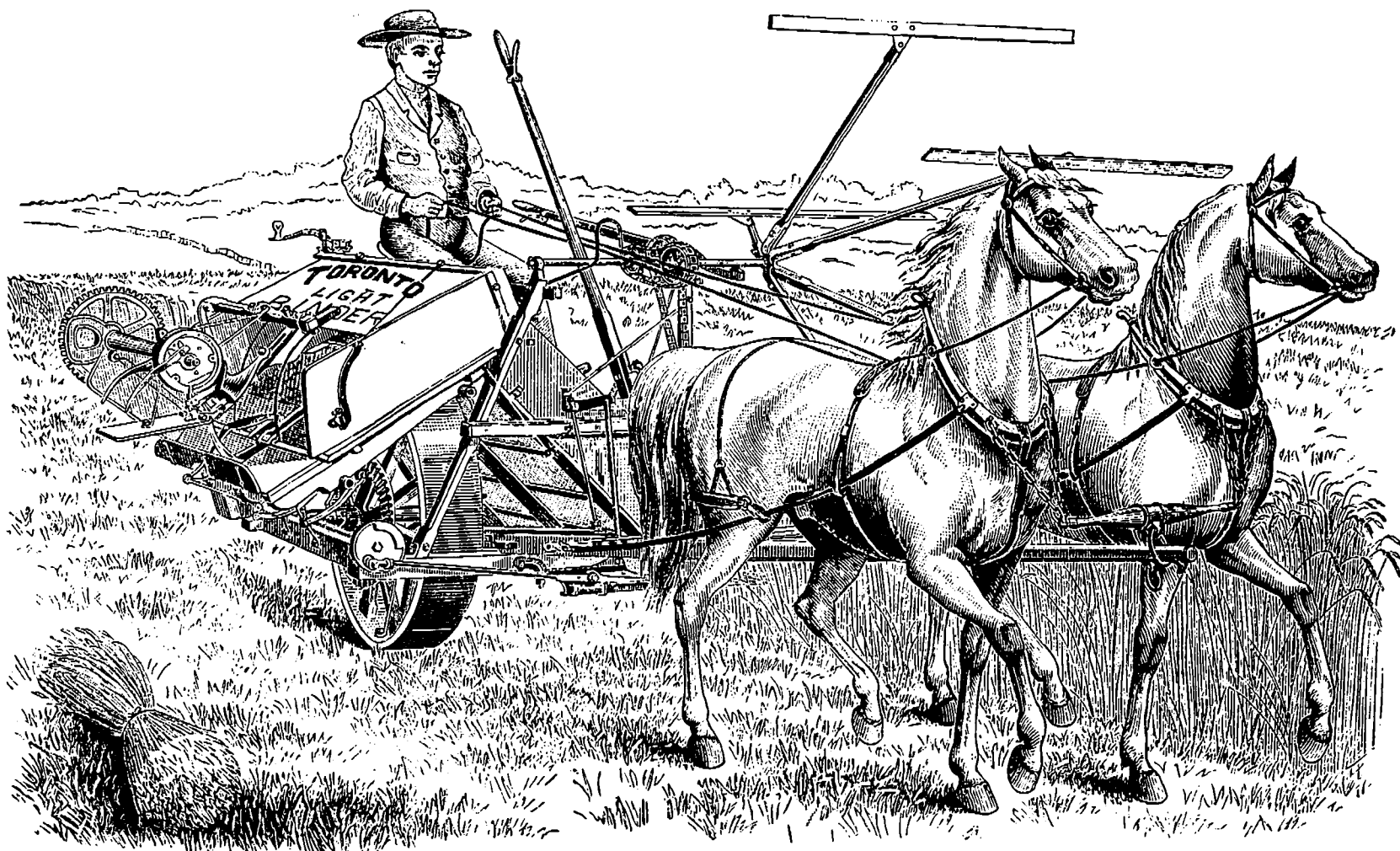
The Chain Wheels are fitted to the shafts or roller axes, which are steel, by tapered holes and nuts, which allows for the quick removal of the shafts and their sure fastenings.

On the platform is found a Hoop Iron Guide running over the canvas to bridge the open space and retard the movement of the heads of the grain in advance of the butts.

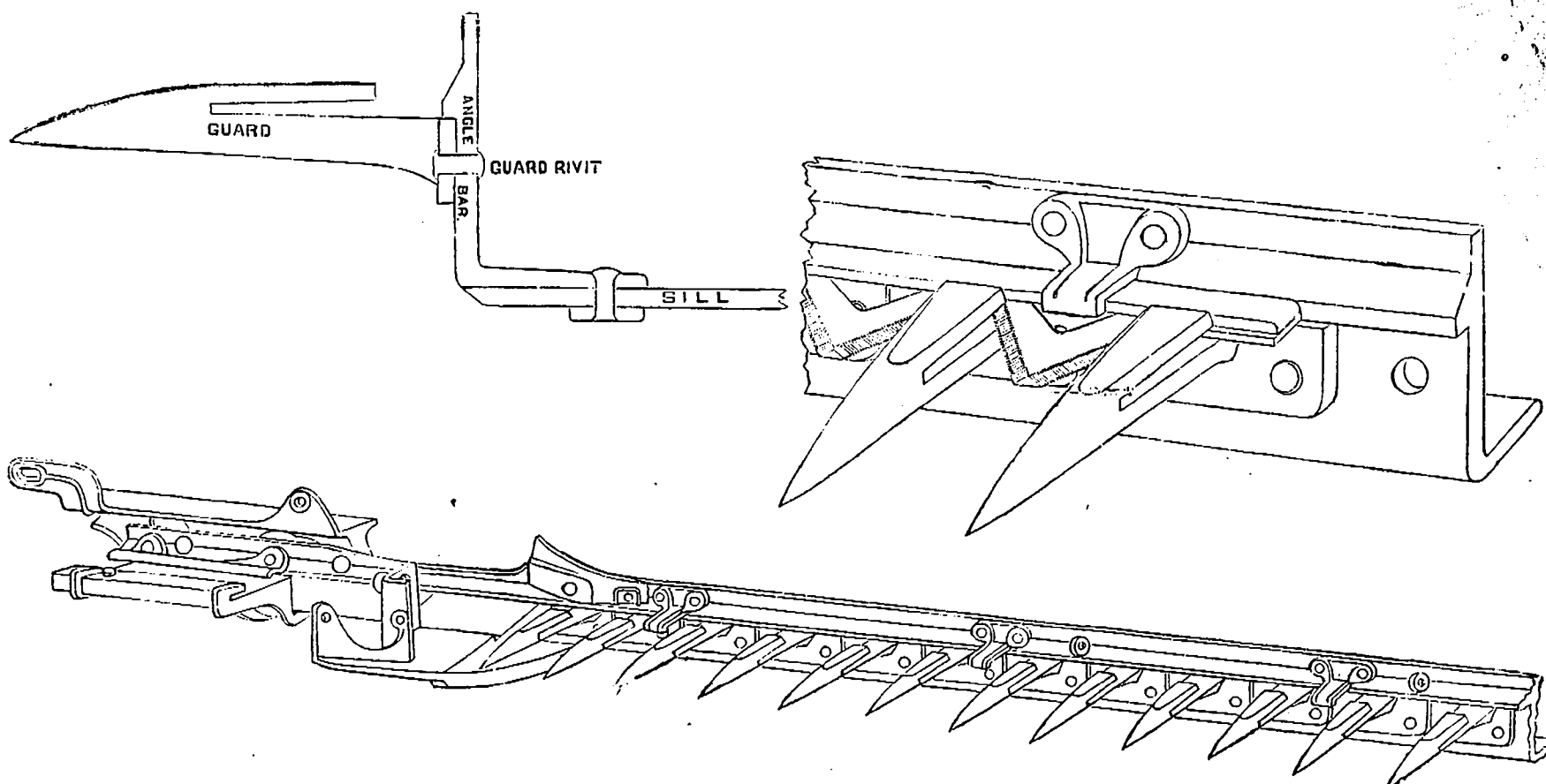
The Grain Wheel is adjustable and easily lowered or raised to suit all heights of grain, and is supplied with a hardened spindle for supporting the outer end of the machine.

It is the only Binder which drives the Harvester and Binding Apparatus with one Drive Chain.

The Binding Apparatus on all Binders are patterned after the Appleby style, each deviating from the original to suit their own ideas and to avoid paying certain Royalties to the owners of the Appleby Patents, of which the Massey Manufacturing Company are the sole proprietors in Canada.



THE TORONTO LIGHT BINDER.



THE TORONTO BINDER CUTTING APPARATUS.