

### The Farm.

#### Implements at the Toronto Industrial.

The show of implements and machinery at this great exposition was one of the best ever seen on the continent. The farm implements were even better than last year. Messrs. D. Maxwell & Sons, St. Marys, Ont., exhibited binders, mowers, rakes, sulky rakes and sulky plows. They have made several improvements in their binders, more steel parts and brass bearings being used, and have also substituted steel for wood. They showed five different mowers, some with front and some with rear cut; the cutterbars varied from three feet six inches to six feet in length.

Messrs. Richardson & Webster, of St. Marys, exhibited their power ensilage and straw cutters, grain-crushers and cheese presses. This firm is the only one in Canada manufacturing a cylinder ensilage cutter having an upper stroke, which they claim to be an advantage; they have attached carriers which can be adjusted so as to carry the stuff at right angles or straight ahead as desired. Their cheese press is constructed of steel with patent head which gives constant pressure for twenty-four hours.

J. W. Proven, Oshawa, Ont., was out with his double-acting hay carrier and self-reversing sling and fork. He attracted the attention of a great number of farmers, and succeeded in making a number of sales. His is a good serviceable implement.

The Patterson Bros. & Co., of Woodstock, exhibited binders, one and two-horse mowers, grain drills, horse-rakes, plows, spring-tooth harrows, straw-cutters and grinders. They show for the first season their new Empire mower, which cuts five or six feet, according to the length of the knives.

M. T. Buchanan, Ingersoll, exhibited his well-known pitching machine, horse-fork and sheaf-lifter. Mr. Buchanan was one of the first who went into the manufacture of hay forks, and his machine seems to be giving good satisfaction.

Wilkinson Plow Co., of West Toronto Junction, had a full line of plows. They make different patterns for different soils, and claim their single and double-riding plows to be light in draft and easier to raise out of the ground than any of their competitors' goods.

The Cockshutt Plow Co., Brantford, occupied their old space, and reported business better than heretofore. Their riding-plows were their chief exhibit. Their double-furrow plow will certainly be found a great saving to the farmer, because one man and three horses will do the same work as two men and two teams. This plow has some good features, viz., the king bolt, which enables the wheels to turn without interfering with the working of the plow. They also show walking-plows cultivators and road scrapers.

Coulthard Scott Co., Oshawa, showed their ten-hoe combined drill, with new and improved tilt, whereby the hoes can be changed instantly by means of a lever; also a steel sectional spring-tooth cultivator, with spring pressure. The same lever raises the hoes out of the ground and also puts the pressure on. The hoes can be put at any pitch by slacking a nut. They also exhibit a Scotch diamond harrow, which is made without nuts, bolts or screws. The teeth are driven into malleable clips, which unite in holding the bulls and cross-bars together. They also show the Lion disk harrow, the centre disks of which are close together. The makers claim this implement will cut all the ground in the centre.

Messrs. Sells & Co., Toronto, successors to H. Sells & Son, occupied their old position. They have been showing their mills for thirteen years. This year they exhibited their improved combination press at work, by which they claim more cider can be taken from the apples than by any hand press. Both hand and power presses were exhibited by the above-named parties, in the manufacture of which goods they have been engaged since 1866.

Messrs. B. Bell & Sons, St. George, showed straw and ensilage cutters, root pulpers, plows, cultivators, turnip drills, land rollers and mowers.

John Abell, Toronto, made a very large display, consisting of Triumph Advance and Return Tubular straw-burning traction engines; also a portable and compound engine. Mr. Abell informed us that the traction engines are rapidly taking the place of the portable. He also showed the new Toronto Advance separator and the Paragon separator; also a Little Giant tread-power and separator. Their experience is that the treat-mills are fast coming into use. The celebrated Duplex corn and feed mill and hay presses, both for horse and steam power, are also manufactured by this gentleman, as well as the Johnston manure spreader and a combined clod crusher and roller.

Watson Manufacturing Co., Ayr, showed binders, reapers, mowers, rakes and stock-raisers' implements—thirty different machines in all. This firm was one of the first in Canada to manufacture the ensilage cutter. They made a large number of sales at the exhibitions, but so great has the demand become for this machine that they are now manufacturing two hundred more of the same for this season. The above-mentioned firm have been engaged in the manufacture of agricultural implements for forty-six years, and have recently decided to dispense with agents and to sell direct to the farmers at greatly reduced prices.

Messrs. Farren, McPherson & Hoven, Clinton, showed their Monarch separator. This machine is favorably known throughout Western Ontario.

Noxon Bros. Manufacturing Co., Ingersoll, exhibited their light steel binder with cord-saving knotter, the working parts of which are made of cast steel. This machine is received so favorably that they have been unable to fill all orders. They also showed their popular rear cut mower and Noxon's Standard front cut. The last mentioned machine is constructed with floating fingerbars, which enables it to pass over rough and uneven ground; they are made with adjustable bearings, and have an indestructible Pitman box and pin, which is guaranteed during the life of the mower. This firm exhibited their celebrated Hoosier seed drill, both combined and single, and the Noxon steel cultivator; this latter machine is built so that the power of the horses is used to cause the teeth to enter the ground; it is used as a cultivator on new plowed sod, or to prepare a seed bed in the stiffest soil; a broadcast seeder can be attached to it.

Messrs. Sutherland & Graves, Mount Brydges, showed their Monarch fanning mill, which is constructed with four foot screens, thus allowing the grain an opportunity to become thoroughly graded. It can be regulated so as to make a sample for seed and another for the market at the same time; they have a bagging attachment affixed.

Sylvester Manufacturing Co., Lindsay, showed steel binder, Clark's cutaway disk harrow and Champion plows. Their binder is constructed much after the style of the McCormick, and was built especially for the Manitoba trade this year.

Messrs. J. Fleury & Sons, Aurora, had a full line of sulky, gang and walking-plows, ensilage cutters with carriers, straw-cutters, grain crushers and grinders, root slicers and pulpers. The two-furrow sulky plow manufactured by this firm is very light in draft, of perfect construction, and convenient for operating. One of the best points in this plow is a rear wheel, which enables the operator to turn the plow within its own length without backing his team. The ensilage cutter has carriers which may be turned at any angle without removing a bolt, screw or nut; their grinders are suitable for mills, custom grinding or farmers' use.

Messrs. Frost & Wood, Smith's Falls, showed their single canvas binder. They claim special advantages over other machines by their over-hanging rotary packers. They also showed their Buckeye mower which they have been manufacturing for twenty years, adding improvements from time to time, until to-day it is one of the most complete machines in the market; also a full line of plows, both riding and walking, and the well-known Tiger horse rake and spring tooth harrow. They also handle the Ross ensilage cutter. This firm has been in business for over fifty years, and can be classed as one of our most successful manufacturing establishments.

Manson Campbell, Chatham, occupies the same position as before with his well-known Chatham fanning-mill and bagging attachment. Mr. Campbell informed us that he has sold over three thousand mills this season, and intends manufacturing two thousand more. In order to show the popularity of his mill, we might state that Mr. Campbell sold eighty-five mills and baggers within eight miles of Port Perry, and it is a very common occurrence for his agents to sell fifty mills at one R. R. station.

J. S. Corbin, Prescott, who recently purchased the property of the St. Lawrence Manufacturing Company, of Prescott, was out this year with a full line of disk harrows, seeders, land rollers and grass seeders. He has added some improvements to the harrow by substituting steel for wood in the main beam, and has simplified their construction in other points.

Newkirk Bros. & Company showed the Little Champion Fanning and Smut Mill combined. This is quite a novelty in appearance, very compact and appears to clean grain exceedingly well.

The Mann Manufacturing Co., Brockville, showed their Giant cultivator with seeding attachments. This cultivator is all made of steel and iron with the exception of the wheels and pole. With one lever the teeth can be raised out of the ground when turning, and with the same lever a pressure can be put on them which will force them into the heaviest clay ground. They also have the Daisy Spring Tooth Harrow with steel frame. This machine has been on the market for many years. The new Monarch Seeder is provided with a lever by which the teeth can be set at any angle in a moment when required to work up the different kinds of soil; the teeth being grouped in three sections adapt themselves to the unevenness of the ground. They also showed one of their flax sowers.

Mowat Manufacturing Company, Whitby, exhibited their binder, which is a very light machine with a low elevation. They also exhibited the centre cut mower, Paris straw cutter (large and small), Raymond grinder and a two-furrow plow.

Geo. White & Sons, London, showed one of their portable engines, it being the last one they have left from this year's output. It comprises simplicity and durability. This engine is certainly very popular all over the Dominion. Their motto is, "The survival of the fittest."

Messrs. McPherson & Co., Fingal, showed their Challenge separator. This machine is considered one of the best manufactured in Ontario.

William Dick, Bolton, was out with walking and gang plows, ensilage, straw and root pulpers and slicers; steel land rollers and sweep power.

Messrs. Tolton Bros., Guelph, had their well and favorably known pea harvester on exhibition; also Tolton's patent power transmitter, walking plows and steel harrows. Their pea harvester was run by a steam engine of their own invention.

L. M. Batty, St. Thomas, showed the Ripper feed cutter, which is rather a novel machine, having a cylinder consisting of narrow, spirally arranged blades. This is a new implement, and made for both hand and horse power, and is very promising.

The Waterloo Manufacturing Co., Waterloo, showed a very fine lot of implements, comprising threshers, ensilage cutter with carriers, root and straw cutters and pulpers, seventeen different styles of single plows, and a two-furrow gang-plow.

The Erie Iron Works Co., of St. Thomas, showed plows, corn cultivators, potato diggers, and a new woven wire fence machine, which should come into general use among farmers. The fences are constructed where they are required to stand. One man and a boy can build from thirty-five to forty rods per day.

Messrs. Wortman & Ward, Manufacturing Co., London, showed the I X L wind-mill, Draider spade harrow, hayforks and slings, Clipper grain grinder and Daisy churns.

The Waterous Manufacturing Co., Brantford, were out with eight portable farm engines of various sizes and styles, and a full line of their portable saw-mill machinery; also their celebrated village fire engine, hook and ladder truck, extension ladder, and a model of their