

Agricultural Implements at the Toronto Industrial Exhibition

The exhibit of agricultural implements at the Toronto Industrial was, like every other department, better than ever before. We will review some of the most meritorious of these exhibits.

On entering the hall the first exhibit was that of Coulthard & Scott, Oshawa, Ont., who exhibited their famous grain drill, the Champion; also disc and diamond harrows, the latter an improvement over the ordinary make. Next in order was the Cockshutt Plow Co., of Brantford, who made a splendid display of one and two-furrow riding and also walking plows. This firm was the first in Ontario to bring out a really serviceable riding plow; their cultivator, which closely resembles the famous Planet Junior, is an excellent implement. Their goods were well made and finely finished.

The Wilkinson Plow Co., of West Toronto Junction, Ont., made a very fine display of double and single riding and walking plows, double mould-board plows, cultivators and steel scrapers, and wheelbarrows. The plows are made in all sorts of patterns, and guaranteed to clean in any soil and under all conditions. Farmers speak highly of the goods put out by this firm. The gentleman in charge assured us that their riding plow drew lighter on hard ground than a walking plow. His firm had made a test, using a dynamometer to determine this point. This firm make a specialty of narrow-bottom plows with full boards.

Mr. Geo. Ross, Petrolia, Ont., was out with an entirely new and unique sulky plow, which possessed many advantages and features quite new. It can be used equally well as a one, two, or three-furrow plow; from appearance it should run lightly, is easily turned and brought into place, and should do excellent work if the boards and points are as hard and good as they are claimed to be. We will endeavor to see this implement in the field and report it fully.

T. T. Coleman, Seaford, Ont., had on exhibition two of his Dale Pivoted Land Rollers, by far the best implement of the kind manufactured. He also showed an excellent turnip pulper, which had a useful attachment to prevent the turnips clogging. This gentleman also showed one and two-furrow walking plows.

Copp Bros., Hamilton, Ont., exhibited plows, harrows, scrapers, double mould-board plows, and their Royal Steam Feed Heater, a coal-burning furnace for cooking food by steam. It is cheap, easily controlled, and said to be very effectual. This firm make a specialty of the Queen Cultivator, a horse-hoe built to resemble the Planet Junior, and it is a first-rate implement.

The Watson Manufacturing Co., Ayr, Ont., made a very large display of excellent machinery, which occupied a space fifty-six by forty-five feet. Thirty different implements were included in this exhibit, viz.: Binders, mowers, horse-rakes, horse-powers, grain grinders or crushers, turnip cutters or pulpers. Their large Excelsior turnip cutter is one of the best, if not the best and most durable made. The same may be said of their ensilage cutter. One of the most useful devices at the exhibition was the barrel or box truck shown by this firm; by it a man or boy can easily pick up a barrel of water or a box of grain or food of equal weight, and convey it away as easily as he would a pail of water or a half bushel of turnips. Their circular saw for wood sawing is a splendid implement. We advise our readers to write this firm for their catalogue. Their works were opened in 1847, and have run continuously ever since. They deal directly with farmers, have no commission agents in Ontario west of Ottawa. This venture has proved a success; they now sell to farmers at wholesale prices. Next to this exhibit was McCormick's Bindlochine, a light and curious looking binder, that attracted a good deal of attention, and received much favorable comment. The machine exhibited had cut grain in various parts of the province, and, if we are to judge by the testimonials printed and distributed, did exceedingly good work. We should not be surprised if this is not the coming binder.

James Provan, Oshawa, exhibited his well-known rod horse fork, or pitching machine, as some call it. It is so well known that it needs no words of commendation. A horse-fork has become almost indispensable, as slings are now attached which handle sheaves in a very satisfactory manner. Having used it for several years, we have no improvements to suggest. Mr. Provan has also invented a really good car for use on a wooden track.

The Mercer Company, of Alliston, Ont., showed two of their canvasless binders, a new machine of great merit. The manufacturers claim the following superior points of merit:—Simplest knotter, only four working parts; simplest transport, attached and detached without removing a bolt; steel conveyor and elevator tables, steel elevator rakes; strongest steel frame—only three pieces; large and broad main drive wheel, light draft, interchangeable journals, less journals, fewer oil holes, oil holes on outside of machine.

David Maxwell & Sons, St. Mary's, Ont., made a very large and fine display, consisting of mowers, binders, reapers, turnip cutters and pulpers, riding and walking plows and sulky rakes. These implements presented a very fine appearance, being well made and splendidly finished. Their mowers alone were a most attractive display. Among the harrows was a new and excellent implement, the teeth of which could by means of a lever be instantly and easily set in any desirable angle, either forward or backward. This implement is lightly but strongly made, and should certainly meet with ready sale. It will be very valuable as a smoothing harrow to cultivate corn, grain and potatoes and free them from weeds. This firm makes a specialty of mowers. A new feature they have added to their machines is one enabling the driver to lift the bar with his foot as a horse-rake is dumped. The cutter bar of these machines varies from 4½ ft. to 6 ft. in length. Those cutting 6 ft. are made heavier throughout, and have larger wheels; all have four ratchets in each wheel, instead of two, so that the knife starts as soon as the wheel moves.

Along side of this exhibit was a three-horse equalizer shown by Mr. Evans, of Bond Head. The horses all draw from the centre of the tongue; the draught is equal on each horse. It has several other points of superiority.

Neely & Durand, Dorchester Station, Ont., show hay and grain elevators, or horse forks and slings as they are generally known. This also was a strong, useful device, and we have no doubt will do good work.

John Grout, Grimsby, Ont., exhibited riding and walking plows, mowers and an excellent cultivator.

The Mowat Manufacturing Co., of Whitby, Ont., showed Turnbull's light binder, an implement possessing altogether new features. The manufacturers claim many advantages for it, and their claims are endorsed by numerous testimonials. This firm also manufactures Clokey's Centre Cut Mowers, a very superior machine of unique design. It is an entirely new departure from all the recognized standards, involving new principles of mechanism and construction. The manufacturers claim the following points of superiority:—Positive and perfect cut under all conditions of surface or grass; superiority of construction, durability, facility of management, and the lightest draft machine ever invented.

J. Fleury & Sons, Aurora, Ont., occupied a space 50x60 feet, exhibiting thirty-five different implements, including binders, ensilage cutters, turnip cutters and pulpers. Among their display was their well-known grain crusher, the best for farmers' use made, especially if the work is to be done by horse-power. This firm also makes a specialty of high class plows, which they warrant to clean in any soil. Their exhibit embraced eleven different styles of walking plows and double and single riding plows. The latter two are built on the same principle as the celebrated Cockshutt J. G. C. All their goods are splendidly made and finished, nothing but the very best material being used in their construction. These gentlemen, though having no interest in the Petch's stubble reliever, speak very highly of it.

The stubble reliever is a roller, standing in

an upright position in front of the coulter. It can be attached to any plow in one minute, without any alterations. It is adjustable, and can be placed in such a position as to effectually remove all obstructions, such as wet stubble, manure, sods, grass, quick grass, clover, etc., etc. It was used in a field of heavy oat stubble, with half an inch of snow on the ground, as a test. It failed to clog once during the day's plowing. The plow would clog twelve to fifteen times each round without the reliever. This device is manufactured by A. J. & C. A. Petch, Aurora, and is highly recommended by all who have used it.

M. T. Buchanan, Ingersoll, Ont., showed his well-known pitching machine, or horse-fork and slings.

The Waterous Co., Brantford, Ont., made a wonderful display of heavy machinery, including steam fire engines, hook and ladder trucks, Preston aerial truck, saw mill carriages, mill dogs and saw mill machinery, a full line of friction grip pulleys, French buhr stone choppers, champion threshing engines, also a full line of pressed brick machinery.

Wortman & Ward, London, Ont., exhibited their spade and disc harrows in three sizes, also their pumping windmills and moveable pumps for threshers' use.

Tolton Bros., Guelph, Ont., show a full line of pea harvesters, turnip cutters, and a new iron harrow so arranged that each row of teeth acted independently and adjusted themselves to the inequalities of the ground.

Richardson & Webster, St. Mary's, Ont., had on exhibition a capital lot of ensilage and straw cutters, a very nice horse-power, suitable for farm use, gang presses for cheese, and a full line of dairy supplies, including vats, presses and Babcock testers.

The J. W. Mann Co., Brockville, Ont., showed their well-known seeder with spring tooth harrow attached, and also showed an attachment of light spring steel made to fit on the points of the teeth of any spring tooth cultivator, enabling the machine to thoroughly cut all the ground, thus destroying all the thistles and weeds. This is a splendid device, and is sold at a low price, viz., \$6.50 per set.

Noxon Bros., Ingersoll, Ont., occupied a space 43 by 65 ft. Their exhibit was a most handsome one, all the implements being substantially built and finely finished. Their No. 47 drill is said to be one of the best built in Canada. Their new No. 8 binder is built almost entirely of steel, all boxing being of brass and interchangeable, thus making the machine practically indestructible. This machine is a great improvement on their old binder. Their spring tooth cultivator is an improved machine. The makers claim for it that it will do a given amount of work more easily than any other cultivator in the market.

Frost & Wood, Smith's Falls, Ont., made a fine display of binders, reapers, mowers, horse-rakes and plows, all well finished and substantial.

The Massey-Harris Co. exhibited 42 implements, making one of the grandest displays ever made by any firm in America.

John Abell, Toronto, Ont., made a large and fine display of flour mill machinery, threshers and powers of various descriptions, ranging from the great Advance, for prairie use, to the Little Giant Thresher, run by a two-horse tread power.

B. Bell & Son, St. George, Ont., were out with rollers, turnip drills, slicers and pulpers, ensilage and straw cutters, bag trucks, mowers, walking plows, double mouldboard plows, side hill plows, an excellent cultivator, also a tread power, claimed to be one of the best manufactured.

D. McKenzie, of St. Thomas, Ont., had one of his automatic tile ditching machines on exhibition. From the general appearance of the machine, and from what we know and have heard, we believe he has one of the best tile ditching machines on the continent.

James F. Sutherland, Mount Brydges, Ont., exhibited his justly celebrated Monarch fanning mill and bagger. The originators of this mill, with true inventive genius, set about the construction of a machine embodying entirely new principles. It is remarkable, not only for the range and variety of its work, but for its truly wonderful rapidity of execution, and the perfection attained in separating and grading, doing