

in perhaps some modified style, to supersede all the other forms of Straw Cutters now in use, both for effect and simplicity. The Machine itself except the frame, is made of iron and steel, and is the invention of E. T. Taylor, Thomas & Co., Pearl St., N. Y. Nineteen circular steel knives  $7\frac{1}{2}$  inches diameter, made of saw plate and sharpened smooth, are caused by machinery turned by the hand, to revolve rapidly, intersecting a cast iron roller which is made with small hooks to draw in the straw upon the knives, where a great quantity of fodder can be cut in a few minutes. The Knives can be sharpened up in a few seconds by just holding a whetstone or file to them when revolving. One great advantage of this machine is, it will cut any kind of produce for fodder, as easily as straw, and may thus save a Vegetable Cutter. It is driven by a fly wheel about 3 feet diameter, and with a full set of knives can be furnished for \$30. One little point is deficient, but we have no doubt that it will soon be overcome,—it cuts the straw about an inch in length, while with the other cutters you can have it a quarter of an inch if required. Beside this was a very fine specimen of Fanning Mill from J. H. Vandercook, Fulton County, New York, warranted to clean 100 bushels of wheat an hour, value \$25 to \$30. J. Helm, jun., Port Hope, had two very good reaping machines standing here in the American department. One of these is made exactly after the style of Hussey's, and is very well got up. It is valued at \$100. Mr. Helm has made them after McCormick's, but prefers Hussey's. Wheeler, Mellock & Co., of Albany, exhibited a very good horse power, and next to this was a whole field of agricultural implements from that enterprising and extensive firm Rapalje & Co. of Rochester—ploughs without number of all forms and descriptions, harrows, cultivators, rollers, rakes, scythes, and straw-cutters, &c. You had there, in fact, a specimen of nearly every kind of farming implement in use. Close beside these stood Hussey's Reaper, which made so much noise at the World's Fair. It is certainly an ingenious machine. Mr. Gorman of Kingston exhibited a very pretty four-oared pleasure yacht; it is very neatly finished. This closed up the right-hand space. Crossing to the other side, there was a complete two-horse-power threshing machine, from Loughborough Village, in Sydenham, back from Kingston, valued at \$160.—Mr. Griffin, of Brantford, exhibited a very good clover-cutting machine. Mr. Robt. Wright, of Port Hope, had an improved horizontal self-acting sawing-machine, for cutting firewood, shingle blocks, &c.,—warranted to cut a 2-foot log in one minute and twenty seconds. There was a very fine horse-power thresher by G. Sanderson, Flamboro', and some good steel harrows. Here stood a newly-invented one-horse grain rake, by Mr. Begg, of Pickering. It is capable of raking 20 to 25 acres a-day. This machine differs from the ordinary horse rake, inasmuch as the horse does not go over the grain. It is likely to come into general use, and can be made for from \$12 to \$14, according to finish. It can be fitted to all the purposes of the ordinary rake, although the great merit of the invention is, its applicability to

grain. It is well worthy the inspection of the farmer, as there was not another one on the field of a similar construction, and its price is moderate. There was here a good horse-rake of the old pattern, from the Gore of Toronto—value, \$30. Mr. Hollowday had also a very good grain-drill, of an expensive make, capable of sowing 12 to 14 acres a-day; it is very substantial, and valued at \$120. Also, very fine specimen of seed-harrow, at \$16, and manure forks, well finished, \$14. John Bruce of Dumfries, exhibited a cultivator, which for simplicity and durability attracted general attention; it is manufactured for \$36. Gilbert Samson, of St. Catharines, exhibited two very good straw-cutters, valued at \$18; a very fine specimen of field cultivator for summer fallow, which can be furnished for \$35; and a small corn cultivator, with steel teeth, for \$10; also a chain pump, with metallic pipe, galvanised, and galvanised chain, quite free from corrosion. It will draw by hand quite easily from a depth of upwards of 40 feet, and is adapted to all kinds of wells. Their value is pretty much regulated by the depth of the well, as there is more chain and pipe needed, the deeper the well is; but a pump complete for a 10 feet well, can be furnished at \$14. Hager's patent seed drill from Palermo, C. W., is a useful implement, valued at \$50, not, however, equal to Nixon's, but as Nixon's did not come forward, Hager's was the best on the grounds. There were some good rollers from Mr. Beckett's foundry in Simcoe Street; single rollers valued at \$30 to \$40; double one at \$100. Mr. Medcalf of Toronto, had a very highly finished horse power thresher and separator. It was prepared for the Exhibition and is valued at £66. Haggart & Brothers of Brampton exhibited a most beautiful machine of a similar construction. Beside Medcalf's, on one end of the Canada Company's Flax machine, was a machine for plaiting whips, manufactured by Mr. Medcalf's son, displaying a great amount of mechanical ingenuity. It was the most complete piece of mechanism on the grounds. The Flax machine attracted considerable attention. There were a number of ploughs, of a variety of sorts, at this end, by Mr. Crowther of Scarboro', Mr. Scruton of Streetsville and other makers. John Amor of Hamilton had two screw and lever Cheese Presses of a simple and useful description, and worthy the attention of farmers; they can be produced for \$16. His curd mill is valued at \$6. Mr. Butterfield of Oshawa had a few Straw Cutters, valued from \$20 to 30. Mr. Gage of Rochester exhibited an improved Bread machine, value, \$200. This machine worked by three men, will turn out 30 barrels of flour into Biscuit in one day. Mr. L. Houck exhibited a double action fanning mill, value \$30. This machine is improved and patented by Mr. Houck, and warranted to clean 2 bushels of wheat in a minute. Smaller sizes made for \$25. Mr. James Searight of Adelaide Street, Toronto, claimed the attention of the ladies more especially to a new improved Washing Machine, constructed upon the principle of a Fulling Mill, but to work by hand. This Machine can be made for from \$8 to \$12, according to size and finish, and seems well adapted to the operation of washing. He had also a very superior Straw Cutter, with