

Thompson & Williams, Mitchell, exhibit a machine for grinding curvils in cheese-making, which, it is claimed, contributes both to despatch and the manufacture of the cheese.

Within the building we came upon a collection of draining tools, spades, hoes, shovels, grain-scoops, forks, snaths and scythes. These articles are supplied by Mr. P. Smith, and T. J. Thompson, London. This is a well filled corner. Axes and helms by Warnock & Co., Galt, and others.

Outside again, we had a cheese-press, exhibited by Henry Hall, Westminster.

A. C. Atwood, Vanneck, is here displaying his beehives, and the bees, too, for that matter, that are flying around him and his audience, as he describes his stock.

Further on we came to gates and fencing materials, both important concerns. When the uses of a gate are considered, and the fact that in most cases where it is employed, it is opened and shut many hundred times in a year, it is of consequence that it should be moved without lifting and dragging it. Moses Bechtel, Blair, and Joseph E. Strong, Newtonbrook, have succeeded in the construction of convenient and serviceable articles. Bechtel, B. Gollthorp, Etobicoke; and Robert Baty, London, exhibit some specimens of wood fences, and Bechtel, one piece of wire fencing. J. M. Cousins, London, contributes a number of pumps. It is surprising how few churns are on the ground. C. Lewis, Salford, has obtained a prize for one he exhibits. In miscellaneous entries we noticed a machine for grinding knives of reapers and mowers, by J. G. Bricker, Whitby; a potato bug exterminator, by D. J. McArthur, Lobo. Mr. Levi Jones, Markham, shows a collection of bells for farms, schools, &c.

Machinery.

The enterprise shown by exhibitors in this department is quite surprising. C. H. Waterous & Co., Brantford, have a steam engine driving a saw mill, and lathe and shingle machines, all in full operation. We are informed that the saw mill, engine, and every part of the machinery complete, and capable of cutting from 7,000 to 8,000 feet per day, can be furnished for \$2,000.

At a short distance from here the firm of Cant, Gourley & Co. occupy a large building with a great variety of machines for wood-working, which they manufacture in their shops at Galt. There is a full staff of operatives, the machinery is driven by steam, and the work goes on with all the apparent care and despatch that are observed in a large factory devoted to business. Here are a planing, tenoning, and grooving machines, a moulding machine, a scroll saw, a planing machine, morticing machine, a mitring machine; all going, and specimens of the work placed in view. The foregoing certainly form a spectacle whose equal has never been witnessed at any exhibition in Canada.

We just notice the absence of Goldie & McCulloch, Galt, whose steam engines and machinery might well be on the ground.

Dairy Department.

The display in this department does not adequately represent the industry of Canada's dairies, the entire exhibition being confined to one table not more than thirty yards in length. Nor can the assortment shown boast of very tasteful arrangement. However, in intrinsic merit the articles are accounted quite up to the average, and this, after all, is the main point.

In butter there are thirty-two entries of 28 pound rocks or tubs, presenting generally a cleanly and fresh appearance. The first prize has been awarded to Mr. Donald Clark, of Puslinch, and the second and third to Mrs. F. Nichol, Westminster, and Mr. J. Blagden, East Flamboro', respectively.

Twenty-four entries of firm butter, ready for shipping, are shown; the best, in the opinion of the judges, being that of Mr. Benjamin Sampson, and he next Mr. M. Rosser.

It is remarked that nothing is exhibited in the way of roll-butter.

Mr. J. Anderson, Howick, takes a first prize for soft and powdered maple sugar, a sample of which he exhibits tastefully in a glass case, bedecked with imitation flowers.

Mr. Wm. McEvoy secures the first prize for honey in the comb, against seven other competitors. His sample looks very well. The same exhibitor takes second prize for jar of honey, there being in all six entries. There are but three entries of maple syrup, notwithstanding that we write so much poetry about an national tree. These exhibits cannot be said to look very attractive, being rather dark in color.

Amongst a considerable number of entries in the department of dairy cheese, Mr. Joseph Rowat, North Dorchester, carries off the first prize.

Mr. H. R. Parsons, Guelph, exhibits two samples of Stilton cheese, for which he has obtained a prize.

There are 35 specimens of factory cheese shown, and all are exceedingly fine. Mr. Thomas Pella-tyne, of Schomberg, takes the first prize.

Fruits and Vegetables.

Messrs. Beadle and Buchanan, Arnold and Smith, each show 20 varieties of apples, including the Pomme Royal, Northern Spy, Ribston Pippin, Warner, &c. The display of Mr. Smith is simply magnificent, and he, very properly, was thickly crowned with the prize. Mr. Arnold also shows six varieties of Winter table, and Messrs. Beadle & Co. six varieties of Fall cooking apples, for which they severally take first prizes.

The show of pears is unusually good, the principal exhibitors being Messrs. Beadle & Co., Arnold, and E. West, Westminster. The varieties shown, and which attracted most attention, are the Bizarre of Angou, Bello Lucrativo, Beauvois East, Columbia, Madame Beauty, and a few others.

For the best collection of fruit of all kinds the Gallow Club deservedly gets the prize; their assortment being undoubtedly the choicest fruit in the most interesting department of the Exhibition. A seedling grape, grown by Dr. Murray, of Niagara, and occupying a prominent position in the collection, is the object of all beholders. Messrs. R. Bessell and Wm. Sanderson are also successful exhibitors in this class.

The principal varieties of plums shown are the Victoria, Lombard, General Hand, Jefferson, Smith's, Orleans, &c., the leading exhibitor being Noah Sam-ley.

Mr. A. M. Smith and Messrs. Beadle & Co. show several varieties of peaches of excellent quality.

Charles Eaker shows six varieties of "open-air" grapes, including Rogers' No. 10, Concord, Canton, &c.

The display of pears is so large that we must reluctantly refer our readers to the press list. We may state here, however, that the principal exhibitors are Messrs. W. A. Smith, Brantford; H. S. Brown, Niagara; E. West, Westminster; H. J. Brown, &c.

Mr. B. Currie, Niagara, shows some very fine quinces, and John F. Otwell, West Simcoe, beautiful pomegranate melons. The leading exhibitors of watermelons and cantaloupes, some of them of immense size, are Messrs. Stock & Hay, Waterbury; A. C. Deadman, Delaware; D. Campbell, London; George Parker and James Day.

The show of vegetables is, we think, inferior in some respects to what we have seen at former exhibitions. Mr. David Anderson, of London, takes the ribbon for the "greatest variety."

Onions are exceptionally good; indeed some of the specimens shown are superior to anything we have ever seen.

Mr. S. Pope and A. W. Taylor show very fine beets and parsnips, and E. C. Fearnside gets the prize for the assorted collection of turneps.

Capsicums in great variety are exhibited by Messrs. D. Anderson and Wm. Bessell.

Passing to the amateur tables we come to a very fine display of snow apples, by Mr. Archibald, Carleton Place; and a little further on to 29 varieties of very nice cooking apples, shown by Mr. H. J. Brown, of Niagara.

Mr. H. Branstone, Delaware, shows some mammoth Alexander apples. We also noticed some fine specimens of the Beauty of Kent and Northern Spy, but failed to discover the exhibitor. Messrs. W. Armstrong, of Westminster, and D. Brounck, of Louth, show some very fine specimens of the Pomme Gris and Russet varieties.

Coming once more to grapes, "under glass," we find Mr. John Barron, of London, a successful exhibitor of the white variety, and Mr. D. Campbell, of the Black Hamburg. Of the former, Mr. Kelly, of London, is also an exhibitor.

Mr. James Taylor, of St. Catharines, shows in the "open air" class, some very tempting Ontario's, Rogers' No. 15, Arnold's 16, Rebecca, &c.; also a fine specimen of Delaware's.

Mr. A. M. Ross, of Goderich, also shows some very fine Rogers' Nos. 2 and 4.

Mr. F. Benham, of Michigan, gets the prize for 3 bunches of Rogers' No. 19.

The show of plums (by amateurs) is very choice; the principal exhibitors being Messrs. A. M. Ross, Goderich, who receives the first prize for collection of six varieties, and Messrs. William Benham, of Guelph, N. J. Brown, and R. Currie, for "dessert."

Grains, Roots, &c.

When we speak of the grains, it is proper to compare the Exhibition this year with that of last, at the same time it must be remarked that it would be perhaps an error to found a judgment upon the grain

crop of Ontario by what we see at the Exhibition. The fall wheat is pronounced rather a finer sample this year; the spring wheat does not look so bright and healthy, and is really not quite so good a sample as what we saw at Hamilton Exhibition last year. Mr. James M. Neave took the first, the Canada Company's prize of \$100, for the best fall wheat. This was of the Earl variety. The barley was a good sample, but as all quantity only was on exhibition, only very small quantity, and of fair quality. There were only four or five bags of peas. In small quantities there was a good display—that is, some of the best, millet, turnip and flax. There were some baskets of very good samples of corn.

In roots, the exhibition was not up to last year's. Some tolerably big squashes helped out the show somewhat, and there were some parcels of good potatoes—Rose, Gills and Peachblow; and one basket described as "any other sort" was not inferior to the best. A collection of "seedlings" was sent from the London Agency, and Mr. Charles Foster, East Flamboro', exhibited several different varieties named. Of course there were roots, mangoliks, turnips, and other commonly exhibited roots, but the awarding of the prizes will be sufficient mention of most.

There are novelties in this Exhibition of which a description will be interesting. We may notice first the appropriation by two American exhibitors, of the products, in one case of the prairie lands in Iowa and Nebraska, and in the other of the fields of Kansas. The Iowa agent shows samples of soil, grains, and cultivated grasses, with some blocks of wood—to show that trees do actually grow in Nebraska. (These specimens of this collection does not impress one with a very high notion of the climate or fertility of the country. In grains there was nothing like the wheat lying in bags beside them, grown here in Canada. The Kansas exhibition was somewhat better in regard to some of the articles; tobacco and corn, and minerals, plaster, coal, salt and lime.

There were also, which possessed a much greater interest to the visitors, a number of samples of the best wheat of the Muskoka Free Grant Territory, and wheat, peas, potatoes of very fair quality, the wheat being much finer in appearance than that shown from the best parts we have just spoken of. There is besides a good collection of agricultural products of the Thunder Bay country, and Algoma. The samples are of wheat, oats, and barley in the straw, which is strong and abundant; hops, field beans, carrots, potatoes and turnips, with some of the largest cabbage we have seen this season at any fair. These productions are a proof that the climate, at least of the Algoma District and country lying round Thunder Bay, is favorable to the growth of these articles.

Short-horns at Vermont State Fair.

By common consent the noble Short-horn stands highest in estimation, as in costliness, among the herds assembled here. And the breed is well represented by the display of such well-known breeders as Shedd & Vansicklen and G. L. Reynolds, of Burlington; A. W. Goodell, of Morrisville; C. H. Hubbard, of Springfield; D. Kimball and C. C. Pierce, of Clarendon; C. R. Gray, of East Montpelier; John S. Emery, of Wallingford; D. Goodell, of Brattleboro'; and others. It can be seen a manifest improvement in the breed, from year to year, indicative of increasing knowledge of the principles of breeding, and a growing carelessness in selection, as well as in the growing out of poor specimens from the herds. Mr. Goodell's herd is especially noticeable for the fine looking characteristics of many of the cows and heifers, and we believe Mr. H. makes this the great point, as indeed do most of our Vermont breeders, so that animals, short-horns will soon become our established specialty in this race of cattle. We have heretofore spoken in detail of the herds of Mr. Griswold and Shedd & Vansicklen. The animals shown by Mr. Goodell, of Brattleboro', are also of superior excellence. Among the Short-horn calves we noted a very thirty one exhibited by C. E. Stratton, of Rutland. The young stock of this breed generally, is very superior at this show.—Vermont Farmer.

SHAPE OF CHEESE FOR THE NEW YORK MARKET.—The Utica, N. Y., correspondent of the Inter-Ocean, says much western cheese sent to the New York market sells for less than it would were the shape different. The sizes preferred are 14 to 15 inches wide, and 9 to 10 inches deep. Those who send flatter cheese do themselves an injustice. Flat cheese is generally ranked as skim-milk cheese. For the southern markets, a broad, flat cheese is desirable, but the cheddar shape is decidedly preferable for cheese to be shipped east.