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Tlu gitantr.

th has been well observed, "is regal, ami walhs the Wuols royally with great show of parple anal crim-on


 a will be seen by compariogthe following talbe with that whith epportred in out artiele ou that month.


But if there breximilurity between Miysath October intemprorafore thero is a very deciled dissimilarity in other rexpect: Thu air is Hot Epring-like. It is not charincll will tha juiciusss anl stimulus that dis
 young shoots, nor sunell of wooll atme soil. Instead of the bursting forth of activity and life throughout natum, there is the lath of repose and the sense of loi- ure. It is plain that the geir is composing it-elt to reat ather its appointed season of toil and bustle. I'cum bromdy upon tho hills and valleys. lieatity :hines through thr mista of morning ame golven
 deched in at roat of many colonrs, amilatl matare pmits on holidey altire. Vary mraphically doos lianty Witd linecher portriy thas month in ons of his
 liond thy bomigh: to the anth. dedolent of glowing linit! Nipened seeds Nothe in their pools. ipples drop in the stillest hour . I exaraboceintishedrew when
 which they tomeh without somml. And lie lookinr up. till winds mikethem.andluent themin fencreconere, When the gales coute through the trees, the yellow leares
trail, like sparks at night belind the nying engine The woods are thinner, so that wecan see theheavens phiner, as we lie dreaming on the yet warm mos: by the singing spring. The days are calm; the nights are tranquil. The year's work is done. She walles in gorgeaus apparel, looking upon her long labour, and her serene ege saith 'It is good." This descrip t:a:a is peouliarly applicable to the Fall neason of Candals, and nowhere in the world, perhans, is the splendad colouring of the dying fohaze at this perion fot the gear so strihing or leantital as in our Cana| dian torests. The marvelious haves t!at give our
 foan scarcely depict them lathfully wathout haynis Ithmself open to the charge of extratagateo, are chiefly due th the prevalence of the mathe in war f Woodland sconerg. No other tree can bie wath this fin the varnty and luveliness of tho turts which the folage assunces in its depating ghory. The oak, the
 The charm and gramdenr of tie scenc. Sature puts jon a royal robe well befiting the solemn repuse that proceders the sterner reign of winter.
but amod thes general restfuluess, the farmer mant ! not suffer his energies to flag. It is not for ham to thanti of repose get. Hhere are atheme coups to harrest. and every endeavour must the made to house them in geod order. The potaters must be dug, and happy is he who lits one of those newly-invented |laboursaving machines known as "potato diggers." If there be any field-work more fit for a hone than a man, it is this tiresome, laborious, back-breaking toil of gelting up the potatoes. It is inportant that fine weather be chosen for potato-digging. Thoy will be lesis likely to rot if put awity dry, mud besides th. g aue cleamer and better every way. They should bo put into cool and well ventilated cellars, or into pits provided with air and tranage. The same observations appls to other root crops. Thrnips will contime to glow through October, and as theg will tand considerable frost withont injurg, harvesting may be posiponed until November. Fruit must be gutherd this month. and its value will depend much on the care coxreised in the process. It should be lomul-pieked and handlod as tenderly as eggs. ohehard tresw are often braised and injured by the inconsulerate use of ladders. This should beavoided, and at all seasons it should be remembered that at tree is a living thing, not to be treated ronghly with impunity. Various impoovements nay ho adrantageonsly mainertaken this month. We semerally do our ruad work in spring, but in the New England States it was formerly, and for :ught we know is now, done in autama. Better still perhaps it would be to dos:ome: lhing at the roads at boik periods. Wegreatly need in at! parts of the country a more thoroughaystem of 1 at-making. We go on shovelling the accumulation of the ditch and road-side into the carriagre track as though decayd leaves and ohd turf would
make good footing for iron-shod horses and iron-tied wheels. Rarely is gravelling amd metalling undertaken execpt when a chartered company takes a stretch of road in hand to make money ont of 5 , nud then farmers pay for tuetr whistle, when thry might hare had it for nest to nothing were a wise system of statute labour purgucd. The fact is, we are too niggardly of time, toil, and outlay on our ronds, and de not properly appreciate their value, and the importanco of their being well conatructed an: bept in good repair October is also an evcellent nontla for all such operationsay grading, cleaning trenching. Araining, plantug, or luilding stone wail. Thow is nu better time for cutting timber inan just when the lestes are realy to drop foom the axits of the menly furmed buds of the year to come. Firerrood cut this month is represented to be moro valuable for heating purpubes thin when fellod at any other season, athd cedar or other wood wanted for rustic work will buld its lark better and be more durable if on in Uctober. Those who prefer to plant their shade or frait trees in the f.ll, should lezee a care not to deter it ton late. It is not needfal or best to wait un't lewes has actually fillen. If thero is full ippons of wood, and the leases are begianing to drop, it is yuite timo to transplant if it is to be done in autumn lhat we confess oursolves decidedly in favour of spring phanting in the latitude of Canada. As observed liat month, it will pay to bestow carly and thorong! aftention on fatteningstock. Tbeir growh should never be checked by exposure to cold or by short allowance of food. It is advisable also to have allstore and workjug animals in as good condition. as possiblo at the beginning of winter. They will keep more casily for it, and come out in better heart when spring opens. Sheds, barns, and buildings of all kinds must be put in thorough repair before winter, or the comfort of stock will be diminished and the consumption of food increased. This is a good month for ont-door painting. It is shid to stand bet'r if applied at this period than either during spring orsummer Let the work be done whenever it may, it is labor and expense well bestowed.
A variets of garden operations mar be advantageously performed in October. Galdering and stowiag of vegetables, manurine. ploughing and spaning, that the soil may be mellowed by winter frosts, taking out of the ground bulbs that are tender, and plantiag hardy ones for early spring fowering; these, and various ather odd jobs, will make the garden as well as the farm a busy scene during the present month.
Final preparations for vinter nust now be made in the apiary. Whatever shinting, uniting of reak stoclis, feeding deficient stocks, and the like, may require to be done, shouldbedelayed no longer. Hirea sbould ouly be opened on warm, sunny days now, if any internal attention is necded, as bees are easily rhilled, and do not quickly recover the effects of cold.

## Tlle ficld.

## Agricultural Productions at the Provincial Exhibition.

The Agricultural and Horticultural productions were exhibited in a spacious shed erected for the purpose near the Crystal Palace Building. For various reasons it was late before they were collected together, and before they were well in place the judges had to commence work. During the time they were thus occupied on the second day of the fair, all other visitors were excluded from the building, and it was not till some time onWednesday that their task was completed. By that time the crowd of visitors was so great that a leisurely examination was not practicable. It is only possible therefore to give a general account of this department.

The display of grain, as was to be expected from the character of the past season and harvest, was excellent as regards the quality of the cereals. It is to be regretted, however, that there is not greater competition in what is the main business of every farmer. The premiums, especially those of the Canada Com pany, and the Association's prize for the best twenty five bushels of wheat, are on a liberal scale, yet, if we are not mistaken, there were very few competitors for these prizes. This is the more to be regretted, inasmuch as the larger quantity required gives really a better test of the quality of the crop, and we are not sure that $i$ would not be a great improvement on the present system to substitute rewards for the best field of any produce, in place of the best bushel, or the luest eight or twelve samples. A market gardener can raise tremendous roots on a single rood of land, by an amount of culture and expenditure of fertilizers which the farmer could scarcely imitate on the wider scale of his acres. We would not, however, disparage the good sample in limited quantity. To say nothing of its being the most convenient, if not sometimes the only practical, method of display and competition, these experiments on a small scale teach us what can be done by labor and manure, and point the farmer in the right direction towards success in bis more extended field. Still, we think an addition might be made with advantage to the present list of prizes, and awards made for the best field of any crop, the best orehard, or the best cultivated farm.

The recent Exhibition afforded evidence of the capabilities of the country for wheat raising, the samples of this grain being most of them of superior quality. Mr. John Hamilton, of Strabane, was well entitled to the honor of winning the Canada Company's prize for the best twenty-fire bushels of wheat. He gained also the first prize for the best two ries in all the samples were remarkably fine, plump. aven, and of good color. If such grain were exclusively used for seed, our wheat returns would soon show a very different result from that of recent years. The second prize given by the Association was gained by Thomas I'urnbull, of South Dumfries, for twenty-five bushels of Diehl wheat, which compared very favorably with any in the Exhibition. J. McEver, of Hamilton Township, who last year obtained this prize of the Association, has the third awarded to him, for twenty-five bushels of Soules wheat. Six years ago, wo are informed, he purchased sixty-seven lbs. of seed wheat, and obtained as the produce in the following year four and a-half bushels, which he again sowed, and from the yield he gained the Association's second prize. I the next year (1866) he gained the third prize for his same variety; and in 1867 was again successful with it in obtaining the second prize, while the produce of the same seed obtained in other hands the first or Canada Company's prize, the grain having been put out a littlo greener than in Mr. McEver's licld. We would congratulate him on his success, and trast that he will go on, not perbaps with the same seed, but with the same perseverance and careful culture, till he has gained the first place, which he has bitherto failed to reach. There were other good samples of fall wheat exhibited. Joseph Rymal, of MamIton, obtained the second prizo for two bushels of White wheat, scarcely at all inferior to that shown by
Mr. Hamilton. It is, however, unnecessary, and
would occupy far too much space to specify individ ual samples. especially as the prize list already published indicates in a great neasure the meritorions ex hibitors. The samples of gping wheat, notwith The though some of it wer lacking in weight. That shom by Allan Bond, of Storrington, was especially fine.
There was not much competition in winter rye, but the samples were good.
The oats did not seem up to the usual standard, though some of the bags, both of the white and black variety, were, considering the season, very finc.

The samples of peas showed less of the effects of the long drought than would be expected, but there can be no doubt the yield per acre would tell a different story.

Of field beans there was only a small lut fair show.
There were some really fine samples of Indian corn, some of the yellow varieties being especially worthy of note. Some specimens shown by Thomas Eastbrook, of Flamboro, and H. J. Brown, of Niagara, were particularly good.
The display of field seeds of various kinds was very limited, though this is a department that deserves every encouragement. It is one of great importance and by no means the least lucrative feld of agricultural enterprise. Mr. A. Thompson, of East Flamboro', obtained the first prize for the best bushel of timothy seed, and Mr. John Smith, of Burford, for clover seed. Samples of Alsike clover were shown by the President of the Association, 'T. Stock, Esq., of Waterdown, and F. M. Thomas, of Brooklin--the latter gaining the first prize. C. IIolt, of Whitby, is another diligent cultivator in this department, and gained prizes for turnip, carrot and mangel wurzel seed best sample of which W. H. B:illey (of London) gained the first prize.
The display of ficld roots was, though not large as to quantity, really magnificent and astonishing in the size of some of the specimens. Mr. W. Burgess' dis play of mangel wurzel especially deserves emphatic notice. His success in raising these gigantic roots is due, we maderstend, to tine application of night soil to the crop, and farmers as well as market gardeners should take note of the unappreciated value of this too much wasted fertiliser. The Chinese and Japanese should teach the "barbarians" of Canada a lesson in this respect. There were other splendid samples of the several varieties of mangolds, but none equal, taken altogether, to the collection of Mr. Burgess. In turnips, purple top, green top and skirvings were also exhibited. The grey stone and yellow Aberdeen were also represented, though slenderly as regards the num ber of exhibitors. T. Stock, Esq., of Waterdorn, was among the prize takers.
Field carrots, especially the winte Belgian variety, were shown whose dimensions would seem to belie our recollections of the protracted drought. We are sure they could not have been raised during the past season without special care in the preparation of the soil and the after culture. The same remark applies to the display of parsnips and of sugar beets, of which Mr. Burgess, amongst others, showed fine specimens There were a few good samples of chicory root. Mam moth squashes, as usual, attracted the astonished gaze of the passing visitor.

A few good specimens of broom corn were exhibited, and one especially good sample ly T. Eastbrook, of Flamboro.
The Canada Company's prize for scutched flax was awarded to H . Willoughby of Otonabee, and that of the Association to H . Calcott, of Monaghan. The Canada Company's prize for hemp was not awarded, as the specimens, though good in quality, were not up to the required quantity.
The display of potatoes, thongh very meritorious, considering the season, was below the standard of former exhibitions, and this falling off was especially noticeable in the department of garden vegetables.
In the same department were shown some good samples of oil cake by Lyman \& Co., and a few barrels of bonedust of various degrees of fineness were exhibited by Traruski, Bros., Hamilton.

## Implements at the Exhibition.

The space allotted for agricultural implements was ample, and mostly on tie open ground, though a few were collected in a shed, erected for the purpose. Altogether, there was a larger and, perhaps, a better display in this department than has ever before been brought together at a Provincial Exhibition. In most of the sections there was considerable competition, while some articles stood alone, not
s extria entries. In some sections, again, the com petition was small, or nil.
Near the main entrance to the show grounds was the space allotted for Reapers and Mowers, whick were shown by themselve.--the other agricultural im plements being displayed to the north and west of the building. Among the Mowers and Reapers, II. A. Massey sent from his extensive works at Newcas: the a beautifully finished combined machine (Wood's: patent) ; also a separate Reaper and Mower. These are all well knowu to the agricultural community of Canada, and the high appreciation in which they are held may be gathered from the fact that they have now been manufactured for several years in Canada and that last year alone Mr.Massey made upwards of 500. For a still longer period they have been favorably known in the United States, where they take the cad, more than 23,000 having been mado last year Those manufactured by the Newcastle works gained first prizes at previous Provincial Exhibitions of 1865,1866 and 1867 ; and at the World's Exposition at P'aris last year, Wood's reaper gained the highest distinction, and distanced all others in competition. An excellent mower and reaper was shown by John Watson, of the Agr Foundry, with a single reaper from the same place. Benjamin Bell, of St. George sent a combined Mower and Reaper, with F.A. Ball's Ohio attachment for mowing. The reaper can either be used as a self-reaper or not, at pleasure. It cuts six fect in width, but the draught is said to be comparatively light, having been found under 200 lbs. at recent trials. John Scott, of Caledonia, was another of the numerous competitors in this section, and also sent a mower, and combined machine. The wheels in this are wider than most other machines, by eight inches, and great steadiness is gained in consequence. John Forsyth, of Dundas, exhibited two single mowers, and three combined machines on the Ball's Ohio principle, with some improvements of his own. Mr. Collins, of Guelph, showed his patent grain harvester. F. W. Glen, of Oshawa, from the Joseph Hall Works, showed the Dick's self-reaper, a combined mower and reaper, also a Wood's self raker. Yales \& Co., of St. Catharines, exhibited a "Cayuga. Chief" combined mower and reaper ; also a mower, and a third implement with a self-raking attachment. In these reapers the pole is connected to the machine by a hinge, which relieves the horses' necks from considerable weight. They are also constructed with a revolving action to the finger bar, by which they can be made to cut close to the ground, when desired, or the points of the fingers can be raised up so as to clear rough ground and cut higher. This change is not effected by raising and lowering the finger bar and sickle perpendicalarly, but by giving it a rotary movement on its axis, so that the points chiefly are elevated or depressed. Haggart \& Brothers, of Brampton, showed a Ball's Ohio Reaper, with Dodge's self-raking attachment; also, a combined implement without the self-raker, and a simple mower. The rotary motion is also given to the finger bar in these machines. L. D. Sawyer \& Co., of Hamilton, cxhibited two combined machines, and also a mower. Lawrence \& Co., of Palermo, had a Dall's Ohio combined, with self-raker, which is noteworthy, among other excellencies, for an improvemant in the adjuster for rasing the finger-bar, which is done by a wheel and axle instead of a lever, and considerable power thereby gained. Paxton, Tate \& Co., of Port Perry, showed the Marsh Harvester, a machine which basbeen fully described in the Canada Farmer, and of whose merits we entertain a high opinion. It was to us a matter of su:prise that it was not in some way distinguished in the award of the judges. The successful competitors-and the remark just made is no way disparaging to them-were Messrs.! Massey, Glen, Haggart, Lawrence, Yale and Forsyti.

There was quite an imposing array of threshing machines, and second to none among these was Abell's splendid and beautifully finished thresher and separator, which has already gained such distinction, and given the Woodbridge work a high reputation in this department. The machine has been so often fully described before that it is scarcely necessary again to advert to its advantages. The side delivery of the straw carrier is peculiar to it. The guarding of the gearing and coupling is almost complete, and in this respect the only machine that rivals, if it does not eclipse it, is Hoggert's. The whole is a model of good wuitmanship and well-contrived machinery The power used is Pitt's power, and the shaft that goes through is furnished with couplings at each end so that the machine can be run from either side Mr. Abell was agoia the winner of the first prize.

Haggart and Eros. showed an excellent machine with several recent improvements introduced, consisting chiefly in contrivances for economizing
 whectithat wru the cylinder and oiber purta, rovols. untrat. ical of inerards. st the tho inn-

 wifes, limt a atiar lan e omplethe protection from tinuse t. rable a sta. rop ia y what. .umetimes happen from the dre: : ho.ing caughe. Additional secunty is also what by the manter in whith the couplut
ararde li. io that there ati no projecting bota. Ther $\therefore$ alwo a bery convenient arramgement for deliverin: "1 ervin, a point often meglected, and this part is
 1. ha imbija, un acident which often happens ha
 tnother conveniecer morided by this insentor is a cot for the driser, which can be atacime to the poner or not at plesulure. For this excellent machine the re ral prize u.t3 awarded. Glen, of Usiama, hoswed tinit thresur linown under the name of the
 wr $r^{\prime}$-. lat tiv machine the shating motion commat-

tose wa al cera labra hatiun, it phate oi the
 a bur, wheh give great steadinest to the worlin:s fit's sue tirm showe im improred din saviand tho hinds of chan and now cutters, one for hand us and the oher for cither hand or jower. Marwell a Hhatesw showedtheirwell-known machine ealled the Chapion Thresber. Tbe porrer used to drive the machne is the Planet power, and is entirely contrinted of iron. They showed, berides, a small ant bry convenient power for uge on the farm. when WIf be found well ndapted for a number of purposex sich is saving rood, cutting serar, de. This niti chibited other implementa, which are noti.ed in their place.
Near these, the steam-engine of C. H. Waterotes a C.., foom the Brantford Worka, was in full operation. and attranted immense cromds of interestod spect. tor. This beantitul engine is constructed on the :me princeple as that extibited last yoar at Kingy forl. It is sixteen-horse power, and is adapted to h. - cil cibler as a stationary or portable engime.
an minte power were set at work a pony san-mill wh mu! and toulter, If.all's patent slangle mill, an. aricty of grain-crackers and corn and colecrial Within the same railed area this firm also labited a fine assortmont of inserted teeth and pertor .t ded tecth saws. The Brantford engine and it a it his done in furater Exhibitions.

Sut far from this ceatre of attraction was a nusel on Whan inrented ly the eaterprising manufacturer of Wundbridge, John Alledl. This is a very ingrni onsly contrised affair, and will, if it works as it promises to do, supply a want mach necded. It i ol.uptal to cat an opera diteh or drain for laying tite l، will eat aditeln three feet deep, nime iaches at the lotiom and thitien inchers at the top. It is a very putwerful machine, and strondy made. The drive: cule coll a sort of phatiorn, and appears to have por dect control orer his wotk, and can mive the cutting
part array fom the driving wheel, if it gets cloggod ad remove the obstruction. This cutter cuts a 1 m row while the whee referted to scoop; out the dirt and carries it tu a sort of deliverer at the top, which theors it on one side. The hores walle on cach side of the ditch, two being able to draw the machine in light soil, while in stiffground four are required. The whole depth is not dur out at oac operation, but the same length of ground las to be gone over several limus to linioh the work. This may seom a tedions procest bat the makers say that the machine will complete a mile of diteling in a dar. We had an opporhuity of seeing it at work, and our lirst favouable impreision was greatly strengthemed. In clay is Worns admirably.
Thire was also on the ground a drain-plongh or ditelin:r-machine, manufaciured by W. Van Пuskirk Su, Thermhans, (iimer and lurkholder showed : ,
At abhe distunce fiom these on the grount, though Grst in the prize art, and of chied importance in anti ulture, were ranged the Plonghs, of which there wa: good show both: in iron and wooden implements J. Morley, of Thorold, slawed one of iron, one of "uud, a subsoil plough, and a double mould-board plongh. J. Coader, of Bartonville, was the successiul competitor for the first prize. - Steplemson, of s.angeweya, exhibited a strongly made plough of polished iron, tho sharo of which is very solid, and istencd without bolts. J. Locom, of Vralpole, T. chisholm. of Paris, and G. MeSherry, are exhibitors in this class. The last named showed splough with $\mathfrak{a}$ etrong iron arch connecting the moald-board and
starn with tho beam adil hamille, an wach a manner
 the parpose of repa . I Tor tus lopledient tho sccond pri $: \cdot$ was awarden. 't he pame maker showed one dle. 7 ae coulere th al. 3 lixed and adjusted log an tron lucho with set pin. I. Witlen, of tho Ayr foundry. sent ploughs whth Mesterry'a patent combinative of iren abs wool juat alluded to. James Walker, of Whitbr. . Whinsun Brotliers, Etolsicole J. II. (irout \& Co., (iram-by, sent momilar implements. The exhibitors of wouden phugha were A. Yocom, I. W. Needs, of Bowmancilhe.J. N. Daris, J. Lorric, arnia, T. J. Hind of W.llacetomn, and J. Morles: abseal l'longhy neac shinited bjo. Morley, and htiason Drothers, Do hhe Shrar Trench Plonghs, by J. Whaton and J. Sice's, Duble Jlould P'loughs by J. (l. inis, of (ruelph. ant J. Morloy. Masseg, of Nerscasle, thit Turabull \& Co., of Hamilton, shoned Gava Plougha
There mere a few rollers, J. Watson, of Ayr, sbowing out with a grass and sowing altachonent.
lron and wuolen harrorts followed next on the grabol of the there was a great pariety; tha: mandinetured by Istael kinneg, has a pecullarity in the johating fir it shomn ly hin last year, at Kingston,
 then apart amp pu burether agnin very readils. so at (.) aimat of easy remoring in a wargon. "hote is lath torether by chains. T. Alexander, of Che mallams, shorrel an ingenions contrivance which dinpons. wita unts. 'rle ber of tho teeth is perforsucd with : 'quare hole into which a square rod is
 ar barrel From cecine theseand similar altorations aיrely ol the ghount, one can scarcely judge of the r merite: achal trial is needed to determine Whether they are improrements or not. Isaac West o!t. Jumm.msilla, Jamı I'ringh, East Zorra, John Foster of $1 /$ Lamb, 10 ', and Carr $\mathcal{L}$ Roblin, of Lindsay, houred hatrows of various malie and exeellence.
Hay el vatory were shown in operation, some on the harpon paneuhe, and others asthorse pitchforks. Of the former sort, E. A. Beman, of Ameliasburg, exhmitad one with a tived pally atheched, wheh scems to be in inpor ma at: the teeth are abo longer than usual, II 1 rive "1r.i. is mate of wronght iron. G. II. Wrim, ul fathathent has another harpoon; and
 I. יinat Ih-hosd, on Mt. Hojer. The Judges had an opportanty of :"stheg the meats of these implements serng them work
In tarmp dinh, leoth hambanow and horse imple ment- ther was fiti congntituls. James Soulan of © harl at orn ard h. an plantr, no other of the kind home showh I. Waseon, of Ayr, J. Dodds, of BeverIv, and 11 . Wharf, of Hataitun, were he principal es-hbitor-, the last-numad gammery a arst prize. The aremt of the lar groand, which has been followed in he forwenas notaco, now brang us back to the neighbonrlowid of the stewm engat and largo machines Ther, von ivo saw mallanes here, one manufactured by Mitchell, of Millbrouk, whel gained the prize at Kingston, and an wheh several improrements haro smee been adhil, for when the inventor has taken out patents. Near thas vias a modest machine, inented hy an amateur machamst, Mr. J. P. Clarke, of corkville, and called the domesthe saw mill. It is a ham! saw mechne, working a circular saw, and seems well adaped for famply use. The angentous inventor estimates that it could be made for $\$ 15$.
Wo come now to the IIcrse Ifoes and Cultivators. of these there was a recat varety. Two hone ion ultiratorswere cshabied by J. Larric, of Sarnia, and Westott, Bowmanatle One-horso Cultivators were slown by J. Wativa, of Ayr, IR. Gasy, of Dun illo, and Turnbnll $\&$ Co., of ITamilton. Tro hors noulin (cultivators were shown by seremal of the foregong exhutors, and ly ('. Welton, of IIadimand, Ghose machme is provided rith a seat for tho driver, a lanasy whech we aru skow to introluce into Canada John (imat \& (o. exhintel also in this section, and B. W. Walton had a comliurd Cultizator and Seed Ianilton $F$. Sornan, of Jlarkham, brought to tho horse cultivator, for which a I mize was nwarded at the laris Exposition. This has a good arrangement for arjusting the bulance so as to remore the weight from the hor "'s neck it also possesiss another advantage, that the $\cdot$, mivean be readily tuken off and the inplemen: $25: 口$ bace converted into an efficient grabber. Masso:, of Newcastle, showed Summers' grain chop er, and another was also shown by the inventor. The irst jaize for grain chopper wiss amarded
$\&$ Co., for their Anll nlre dy mentioned.
A norel machne was sent by Atkmson Fros., which hey call a Land-prower, aud whete they contend is a
complite sulstitutu ror the drall. It 19 indendel to be uscd after ploughng t.s plyparc the gruand for broad cast soming, which is to to followed by the harrow for covering tho seed. Tho implement shown is furnished mith tro largo troorlen whecls (more may bo added) whinh, as they revolve, leaso tho land in furturss at regular distances, with the soil nic cly compressed. Dlost of tho seed somn rolls into theo furroiss, and what little falls on the intervals is mostly dragged in with the harrow.

Next follow seed drills, all satd by their inventers to be tho best, and to bo perfect. Ono shown by Mr. Thomas Evans of Iondon, is adapted to sow turniy seed as well as cercal grain. Mr. Scott of Dundas hay a combination for soring grass seed, os also had Maxwell \& Whatelafr's drill, a machune that is largely patronised by farmers, and that gained tho first pirz. in Kingston, and tho second at tho recent Exhibition An excellent drill is also cxhibited by James Sendall, of Oshama. A drill thich has been a great farourite. in the United States, has gained tho first prize at the Niom York State ngriculturil show; and been specially commended by the $U$. S. comnissioner of agriculture; is manufactured by Andrew Crosbie, of Dundas, and was shown leere. It appears to feed very evenly, the quantity of sceed being regulated by tho speed of the revolutions, and thas by appropiste gear whecls. The feeding apraratus is peculiar, simple, and adapted to sow fine or coarsi grina, ceen as laree as peas. Thete is no stir rod in the hopper, and when it becomes necussary to clean this ont, it can be lone more readily than in other dnule. The prexent is tho first year of its introduction into Canada, but uprards of 7,000 vere made during the past year in the States. For this drill tho first prize and diploma were awarded.

A miscellancous collection of implements occupied a long open shed in the part of the ground. Here was to be seen an excellent specimen of a horse hay rake. It is manufacturind in the states by 13 . C. Taylor, and was chhibited ly the agent for Canada, Jas. Soutar, of Chatham, It is called the Taylor Sulky Rake, and is a well-made, and, wo believe, thoroughly eficient implement, light and strong, casily mamaged, and mking tho ground very cloan We have seen the same inuse in theStates. The first rrize was ararded to Vale \& Co. of St. Catharines
3 faswell \& Whatelaw showed licre some very excel lent straw cutters, two of them adapted for horse power, and two for hand use. The same firm cihibited also a root cutter, imported, we belicere, from England -at all crents the patent is English, and the machine has long been in use there. It is a thoroughly good implement, and by reversing the action of tho crank can bo mado to cut fine for sheep or coarse for cattle. It is light, and occupies little space.
$J$. Watson, of the syr loundry, showed a similar machine and soreral straw cutters, and an admirable machino for clcaning peas, which is, in fact, a miniature pea thresher. L. D. Sawyer \& Co., and Hind \& Roberts were alio exhibitors of straw cutters. Jom Abell, of Woodbridge, shoned an excellent grain crusher, which is well adapted to grind large or smal' grain and seads. It is somerhat similar to Summers'. but the groores in the rollers are moro oblique, ant tho motion of the second roller is more rapid than tha of tho other, so that the grain is cint as well as crusled

Cider mills aro shorm by Sells, of Bayham. Th.ese are too well known to need comment. This exhibito. received again tho distinction of a first prize. Jame Scott, of Dunbar, sent one somewhat similar ; and Thomas Walker, of Westminster, cxhibited one of mont to strain the juice after the operation of grimding and pressing.

A number of washing machines were, as usual, on es hibition, and their inventors claim immenso advanta ges for then. George Baker, of Oakrille, showed one which in appearance is sumething like a root cleane. A sort of barrel formed of bars, with open spaces between, rarolves in a trough. A number or nooden process of cleansing. P. Forfar, of Waterdown, showed another on a different principle.
Fanning mills were very slenderly represented in the exhibition, but a very good one was shown by W. A. Gerolamy, of Tam, Co. Pruce. It is well got up in cvery respect, but the distinctive features are a wire agitator which stirs the grain through the bottom of tho hopper and prevents choking, a screw which nicely regulates the feed, and the use of perforated zinc instead of wiro sieres.
A fer farm waggons, in no way remarkable, and a collection of dairy implements, noticed clserhere, complete the contents of tho implement shed.

On the rising ground west of the largo machinery a number of pumps were displayed, most of which were fired in place orer tanks that had been constructed
for the purpose, and supplied rrith vater by the cxhibitors. Srr. 3 remils, of London, Ontario, cxhibited a rariety of so-called telescopic lift and force punps,
adapted for domestic use, or for feeding tanks or fire engine purposes. These machines are also made in Toronto by W. Hamilton \& Son. Mr. Powell, of Newton Brook, also showed specimens of his now well known pumps-among them the patent swing pump and the Dominion force pump, the latter provided with a double air chamber, and throwing a powerful and steady stream of water. This is the only wooden force pump made in Canada. His patent adjustable hose, which is very readily removed or attached, is a very convenient appendage to these contrivances. Other pumps were shown by Hiram Land, of Port Nelson, and 1). (E. Ferguson, of Scarboro'

Some ingenious fences occupied the highest knoll on the Fair Ground. Stephen Washburn, of South Dumfries, showed his portable picket fence, models of which were exhibited at Kingston last year. To one of these he attached a gate, the hinge and lateh of which are both ingenious. The gate will swing either way, can be easily raised to be out of the way of snow, and is self-latching. He las also a machine for turning and sharpening the pickets. With the aid of this the work can be done so fast that the patentee is able to supply the fence $\kappa 3$ low as fifty cents a rod.
B. Greening \& Co. exhibited several varieties of their patent machine-made iron wire fences, which are light, strong, and tasteful in design.

Gates appropriately came next in order on the ground. K. E. Stephens showed a small gate, of ingenious contrivance. T. T. Munger exhibited some ingenious slide, or, as he calls them, friction rollergates, to one of which is attached a most admirable contrivance, by which a person driving through can open and shut the gate without leaving his vehicle. Farmers, and all who have to be their own coachmen in muddy weather, will approciate the convenience of this invention. Over the top bar is fixed a cog wheel, and in the bar a number of notches; a long iron rod or axis projects from the wheel on each side to a sufficient distance to allow room for tho horse and the vehiclo between the driver's seat and the gate. This rod is lept in place against a post at the side, and is bent into a handle, by which the wheel can easily be turned, and the gate is thus made to slide back and forth. Capt. W. James, of South Norwich, exhibited an ingenions gate, which has the recommendation of being cheaply made, and of being readily lifted over snow. Mr. L. Lewis, of Melbourne, however, obtained first and second prizes for his gates, with which the readers of the Canada Farmer are familiar, from the descriptions and illustrations which have appeared in the issues of Sept. 2, 1867, and Sept. 1, 1868 .
Other farm tools were to be seen in the Crystal Palace, and a few in the Horticultaral shed. Among the former, Messrs. Whiting \& Co., of Oshawa, had an excellent assortinent of scythes, of different sizes, on exhibition. Three distinct kinds are made for grass, and the same number for cradle reaping. They had also well-arranged assortments of hoes and forks, among them socket forks and hoes, manure forks, with the strapped and the common ferule, and other agricultural implements. Mr.W. Lates, Townsend, Ont., to accompany these, had several sets of very handsomely-finished axe-handles on exhibition. Mr P. Washburn showed others, whioh were of excellent quality.
F. Johnston \& Son, Elgin, were exhibitors of an as sortment of tool handles of all descriptions, compris ing hammer, axe, and sledge hammer handles.
Mr. J. Hourigan, Dundas, had a number of very finely-finished chopping axes on exhibition, with a number of reaping and mowing machine blades-all exhibiting the very best workmanship.
The above is but an imperfect sketch; little more, indeed, than a bare enumeration of a very admirable show of implements, which we examined as carcfully as limited time and the hurry of Exhibition work would allow; and if articles of merit have been passed by, their owners will, we are sure, exonerate us from any intentional neglect. The prize list, which we shall publish as soon as it has been officially cor rected, will. in some cases, supply the omission.

## Crops in Quebec.

To the Editor of The Canada Farmer:
The drought which so afflicted the rest of Canada was continuous here for at least six weeks, around Quebec. It was, however, local, for daring its height there were twenty-fourhours'steady rain at Frampton, thirty-six miles from town. Also, in what are called par excellence the Eastern Townships, there was rain during the existence of the drought which prevailed in the neighbourhood of the city. The result is that the country generally has not suffered so much as was feared, and hay is rather low, ranging from seven
to ten dollars a ton. Since the drought we have had beautiful dropping weather with warm winds, which have kept back Jack Frost so .ar, althongh he generally visits us before thi:

What little wheat is grown aboutQuebecismost excellent, cleanandheary. Oatsarea good crop, and are nearly all in. Turnips are a short crop, but are growing fast. The potatoes have too much top, but are quitehealthy, and will certainly be an average crop. It is perhaps a strange idea to start, but I do believe people about here manure potato $s$ and meadow too heavil.:. The result with regard to the former is, tha they are rank and will not keep. Cabbages are a failure, on account of the white butterfly. Would it not pay well for every county to purchase dead loutterflies, at so much a hundred, of little boys? It would certainly be better than waiting for the eggs to develop to caterpillars belore remoring the evil. Obsta principiis should be the motto with regard to all these evils.
Among the crops that grow well down here are French beans. 'These should be more extensively grown, for they are a sure crop, unaffected by any insect, they produce a plentiful crop, and fetch a good price. But oh! how slow we are down here! these things command two dollars a bushel on the line where the Americans buy quantities of them, and yet, not a pint of them ever leaves the Quebec market! Surely some old country man might find energy enough to grow half an acre of them as an experiment. They make an excellent winter dish by being soakel twenty-four hours or more before being boiled, slowly, till soit. Well done, they are excellent. Badly cooked, they are abominable.
Honey is good, but not so plentiful, on account of the dry weather. We have a Hower show in progress, about which I will write next week.

PHIALA.
Quebec, Sept. 10, 1868.
Note by Ed. C. F-Will the writer again favour us with his name and address, which we have unfor tunately mislad" We have not omitted to insert any communication which we have received; so that it appears his "last" has never reached us.

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## Dairy Implements and Products at the

 Exhibition.There was but a small display of dairy implements, showing some ingenious and most important inven tions, troly, but in the number of articles falling short of the last two exhibitions, and by no means well representing the dairy interest of the country. Among the novelties in this class was a milk cooler, invented by Mr. C. G. Cody, which promises to supply a long-felt deficiency in the manufacture of cheese. By this apparatus the liquid poured into a sort of hopper, with a narrow slit along the bottom, falls in a thin sheet in front of fan ners, the blast from which, mixing with the fluid and scattering it in fine spray, at once reduces its temperature, and deprives it of the animal odour, which is apt to affect injuriously the quality of cheese. The President of the Canadian Dairymen's Association, D. E. Chadwick, Esq., has expressed a very favourable opinion of the merits of this machine, which has also, we understand, received the approval of one of the best judges in such matters, X. A. Willard, Esq., of Utica. D. Harris is the exhibitor of another very simple, but most use ful contrivance, called the curd drier. It is a large wooden tank or vat with the bottom sloping towards the centre, along which there is a perforated tin strainer, over a conducting spout. This arrangement allows all the liquid to drain away from the curds without the necessity of using cloths, a materia very dificult to keep in that state of perfect cleanliness which is so essential to dairy operations. This drainer has now been in use about one year, and is becoming very general in the Oxford county cheese actories
F. I. Bungay, of Norwich, exhibited and obtained prize for his very excellent cheese vat.
There was quite a large assortment of churns, with a variety of devices for lessening manual labour Among the exhibitors was J. W. Goodson, of Hamilton, who showed a barrel churn, with lever power and perforated dasker, an effective-looking machine,
which is sold for $\$ 3.50$. C. Lewis, of Salford, bad a lever churn, the lever working on a roller, and the notion of the dasher being thereby rendered perpendicular. There is a coil spring attached to the back of the lever, which raises it, and relieves to a certain degree muscular cflort in working. C. Stone, of Ancaster, A. Lenn, of Cayuga, C. W.Jones, of Percy, R. Dickhont, of Dereham, and T. Taylor, of Waterdown, were also competiters in this class.

A cheese press was shown by R. Whitlaw, of the Oxford Foundry, thoroughly well constructed, and favourably known to cheese makers. John Arnor, of Hamilton, had another on exhibition, which is furnished with an eccentric lever acting on the top of the screw, weighted as required, so as to seoure a continuous pressurc. The same maker showed another of simple construction, which is a lever press without the screw. He had also an ingenious hand curd mill, in principle very like the sausage machines now so much in use. The foregoing comprise nearly all the dairy implements exhibited.
There was a fair display of factory and dairy cheese, T. Ballantyne, of Downie, taking the prize for the former, and T. McLaren, of West Flamboro', the first for the latter kind. Mr. Parsons, of Guelph, obtained a prize for his meritorious Stilton cheese. The competition in butter was pretty large, and the contents of some of the firkins and crocks of first-rate quality, such as rarely, if ever, finds its way into the Toronto market. The sample sent by Mr. 'Thompson, of Beverly, well deserved the prize awarded. This is a branch of the dairy interest that is a disgrace to Canada, and the meritorious exceptions deserve special praise. It would be well if some associated system like that of the Butter Factcries in the United States could be introduced into the Province, so that the business might be conducted on scientific principles, and the markets of our large towns supplied with an article that would consign the execrable compound now vended to its more legitimate and ignoble uses of greasing rough machinery and waggon wheels.

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## Bees and Bee-Hives at the Exhibition.

There was more than the usual amount of competition in this department. The principal exhibitor ${ }_{3}$ were A. D. Bacon, of Bayham, S. H. Mitchell, of Blanchard and J. H. Thomas, of Brooklin. The hive cxhibited by S. H. Mitchell, of Blanchard, is like the Thomas and Bacon bives, constructed upon the mov-able-comb principle. The frames, however, are novel in their construction, being somewhat of a triangular form. Mr, Mitchell handled his bees with considerable skill, and is quite an enthusiastic beokeeper.
J. H. Thomas, of Brooklin, as heretofore, had a large display of hives and bees, among which we noticed a rery large and populous stock of Italians, and an observing hive containing a very beautiful Italian queen. We also observed some eighteen or twenty small boxes, which Mr. Thomas informed us contained Italian queens for sale. As usual, large crowds gathered round this stand to examine these very popular hives, and listen to the information given concerning the nature, habits and management of bees.
A. D. Bacon also exhibited several observing hives, containing bees and an Italian queen; we noticed, however, that his bees were hybrids.

Mr. Thomas again obtained the first prize, which he well deserves. He also received an extra prize for Italian stock, and another for Italian queens. The second prize for hives was awarded to S. H. Mitchell, of Blanchard.

It is pleasing to notice a growing jinterest in this direction, as was still further evidenced by the large display of honcy, which was far greater than at any previous exhibition; there being eighteen exhibitors of honey in the jar, and eleven of honey in the combs. It certainly must have been a difficult task for the judges to determine which among several of the jars exhibited was worthy of the prize. The awards made by them were to the following gentlemen, in the order in wich they are named:--For boney in the jar, Thomas Kirkland. Oneida; S. H. Mitchell, Blanchard; W. P'toleias, Binbrook; G. W. King, Pexbroke. For honey in the comb, H. M. Thomas, Brooklin; James Kirkland, Oneida; G. Bennett, Cobourg; and S. H. Mitchell, Blanchard.

## Caudiau zatural ifistory.

## The Crested Grebs. (Podiceps cris'atus.)

The Grebes belong to a small group of birds, placed by some naturalists in a sub-order by themsolves, intermediate between the Waders and Swimmers; but there is scarcely sufficient distinctive peculiarity to warrant their separation from the latter order, Natatores, to which they naturally belong. They are included in thefamily of Divers (Colymbida), the largest and most remarkable of which, the Great Northern Diver, has been described and illustrated in a former number of the Canada Farmer. The Grebes, however, form a sub-family, which is distinguished by the toes being margined with a membrane, usually lobed or scolloped in its outline.
We have three native species, the largest of whic: is represented in the accompanying illustration. The crested Grebe is readily recognized by the peculiar appendage to its head and neck. The latter, or ruff, is peculiar to the male bird,--the two tufts of feathers on the head mark both sexes. This is a handsome-looking bird, measuring from eighteen to twenty inches in length. It possesses the characteristics of the genus in the bill of moderate length, straight, robust and pointed. The nostrils are broad. The neck is long and sleuder. The feet are placed very fir back; the tibia, or leg bone, very short, and feathered to the joint, and almost hidden by the belly. The inner and middle toes are connected by a web, as far as the first joint. The female is of a lighter brown, approaching to grey. The sides of the head, as well as of the body, are tinged with a reddish hue. The chin and front of the neck are white, shading off to grey on the under part of the body. The tufts on | Province, viz: Mr. Passmore, of Tronto, and Mr. Mcthe head and the ruff are, in general, black, tinged Ilwraith, of Hamilton, are contented to rest on their with green ; the upper part of the ruff is of a reddish brown.

Like all water-fowl, this is a very shy bird, and chiefly frequents secluded ponds and inaccessible marshes, where, among the reeds, it forms its nest, and lays aboutfour yellowish-white eggs. The young are very pretty little birds, covered with soft downy plumage, and boldly striped with grey and black from beak to tail.

Another and more common species is the Horned Grebe, (Podiceps cornutus) commonly called Dipper or Diver, a much smaller bird. This is a most active creature, defying most of its foes, even the arch enemy, man, by the lightning-like rapidity with which it disappears and dives beneath the surface of the water, where it will remain for an astonishing length of time, to emerge again, for the purpose of breathing, at some distant and unexpected quarter. It is un eary matte" to s'roo! t'ese birls; so rapid aretheis movements, that almost in the instant of time between the flash of the fowling-piece and the contact of the pellets with the water, they are down below " like a sbot," as the saying is, and the disappointed sports-
man perceives the water disturbed by the contents of his gun exactly in the right spot, but no bird dead or alive is to be seen. The flesh of these birds is sometimes caten, but has a fishy flavor, which renders it unpalatable to most people. The feathers on the breast have come into very extensive use as ornamental trimming for various articles of female attire. A third species, the Red-necked Grebe ( $P$. rubicollis) is rare in Canada.

## Natural History Department of the Exhibition.

Tuis very interesting department had the smallest exhibition that we remember having seen at any Provincial Exhibition; in fact the principal sections or classes of natural history were not represented. There was not a single entry of mammalia, birds or fishes; whether this was owing to the small amount awarded as prizes, or that our principal contributors to this department for this section of the


## Stock at the Provincial Exhibition.

For the accommodation of the large number of animals entered in this department of the Exhibition, considerable alterations were made in the buildings on the show ground, and several new structures were erected. South of the Crystal Palace is an oblong plot of ground, in the centre of which an ample epace was railed round for a horse ring, and beside this a smaller circle was sct apart for a cattle ring. The three sides below the building were occupied as sheds and stables, those on the east side being approrriated to the shorthorn cattle; while along tie south and half the west sides the stalls, provided with close doors, and forming very good stabling, were set apart for the horses, and the remainder, on the west side, for Hereford cattle. These kuillings were all erected against the bonndary fence, and were open only on one side, looking inwards. For the accommodation of the othe ${ }^{r}$ breeds of cattle spacions sheds had been erected west of the main building. These were divided inte two rows of stalls, ore on each side. The first of these was setapart for Devons; next to these was a similar shed, devoted to Ayrshires aloug one side, and Galloways and Angis eatile on the other. The pigs vere accommodated in a similar long shed, with in double row of pens, one on cach side The sheep ocenpied pens along the eastern side of the groands. The shed for the poultry was a very suilable structare, erected north of the building, and very near it; it was enclosed on all eides hy slats or battens, and ligbtly roofed in. The accommodation was ample, convenient, and well sheltered from the weather, and the general arrangements were
excellent. We proceed now to notice the different classes of stock, in their order on the prize list.

## HORSES.

The show of horses on the whole was exceedingly good, and highly creditable to any exhibition. In the class for blood horses, however, the number of entries was very limited. The principal exhibitors were the Messrs. White, of Bronte. In the aged class, Mr. Waddell, of Hamilton, headed the prize list with "Ruric," a very fine bred horse, and by far the best specimen of a thoroughbred in his class. Some of the blood stock wanted substance.
In the second class, for agricultural horses, the show of aged stallions was very good. Mr. Ferris was again successful with his black horse. No doubt he is a very fine animal; yet it is our opinion that the chestnut imported horse, owned by Mr. Hawkins, of Markham, although he failed to secure a prize, was the best and most valuable animal in his class. He shows many excellent points, and is certainly deserving of notice. He was imported last season by Mr. Cochrane, of Montreal, who is deserving of all praise for his continued enterprise in bringing to this couni such valuable animals.

Mr. Ferris also gained the diploma for the best ic rse of any age.
The brood mares and Joung stock generally, although a few very superior animals were exhibited, were not quite equal to former years. Mr. Armstrong, respectively the first and second prizes in the class for brood mares, and both were good specimens of the general purpose horse. In the class for the twoYear olds, we observed a very fine mare, belonging to Mr. Smith, of Glanford.

There were twenty-two entries in the class of matched horses for agricultural purposes. Some very was successful in obtaining a prize. Mr. Hendrie, Hamilton, and Mr. Hall, of Blenheim, also showed excellent teams.
The heary draught class was well represented, and many very fine specimens were exhibited. There
were two imported three-year olds worthy of particular notice, one of them owned by Mr. J. J. Fisher Colborne, and imported last season from Lincolnshire, England. The other was imported from Dumfriesshire, Scotland, and is the property of Mr. Thos. Evans, Blanchard; both of these animals showedsym-
metry and action seldom to be surpassed in this class.
The two-year olds were also very fine, and in this class, Mr. J. Thompson, of Markham, showed one imported last season.
Mr. J. Lavidson, Pickering, had a very fine imported brood mare which has won many prizes in former years, and will yet, we believe, stand well forward on the list of prize takers. He also exbibited an excellent two-year old filly out of the above mare. The latter obtained first honours. Among the principal exhibitors in this class were Mr. McFarlane, Pickering, who showed a one-year old colt, and Mr. Docherty, Scarboro, who had a good three-year old, bred by the late Mr. Torrance, Scarboro.
For aged stallions, Mr. Harvey's brown imported horse "Champion" gained the first prize, but competing for the diploma ior the beaten by a younger rival, already of noticed. Brood mares and young stock were not so numerous as we have seen in former years.
For the best pair of heavy draught, Mr. Cochrane, Montreal, gained the prize with his pairof imported Suffolk mares, aged respectively three and four years. The heary draught, as a class, were decidedly good, and it would be a very difficult matter to surpass them at any exhibition in Great Britain. In fact, many of the promium animals on theground wereimported, and have carried off principal prizesatexhibitionsbothin England and in Scotland. It is gratifying to find the spirit and enterprise of many of our Canadian farmers in im. porting such valnable stock, which in after years will be of universal benefit to to this country.
The carriage and driving horses were in great numbers. Mr. Davis exhibited his pair of black mares which has carried off the first prize on twe former occasions. Mr. Irish, of Toronto, also showed a pair of excellent carriage horses. In the class for single carriage horses, Mr. Hendrie, Hamilton, showed a very fine bay gelding, which for action and substance can scarcely be equalled. He also exhibited a veryfine saddle horse.
Of aged stallions there was a very fine show. There were about twenty animals on exhibition, and the whole of them first-class animals, many of them combining both symmetry and action, seldom to be seen. Mr. Douglass, of Oakridges, showed two very fine animals descended from the Old Royal George stock. Mr. Murray, of Toronto, exhibited Coachboy, who has stood high in the prize list in former years. Mr. Roach, of Hamilton, had a very fine animal, which the judges put first on the list; he is by Royal George
out of Reindeer mare. Mr. Tench, of Niagara was out of Reindeer mare. Mr. Tench, of Niagara, was
awarded the second prize, and Mr. Ellis, Hamilton, the third. The three year old stallions were a fair show. In this class, Mr. E. N. Orr, Georgetown, carried off the prize with a very nice-looking brown horse. There were several good pairs exhibited; but the general skow of carriage horses was only middling.

## Cattle.

The show of cattle must be acknowledged by all capable of forming an opinion on the subject, to have been one of the best, if not the very best, we have evar had at a Provincial Exhibition. No fewer than 320 head were on the ground, and it says much for the growing appreciation of the Durhams, that nearly onethird of the number were of that deservedly popular breed. Including the grades, most of which are deshed with short-horn blood, more than one-third were of this breed. Of pure Short-horns, there were 97. and nearly all of them were choice animals. It spants well for the judging at former shows, that in-
ferior animals are now for the most part kept at home. It was a very delicate and difficult matter for the judges to decide in some of the classes on which of a number of animals of nearly equal cxcellence to bestow the honours. In other classes, the decision was of course very quickly made. The class of two-year old bulls was pronounced by the judges, and others, whose opinion is entitled to respect, the best ring ever collected on this side of the $\Lambda$ tlantic. Had the three prize takers been removed from this class, it would still have been considered remarkably well represented. The judges would have liked, had it been possible, to have given all the animals a prize. The bull calves were another capital class, and contained no fewer than 17 competitors. Mr. Stonc's "Grand Duke of Morton" is at the head of the list in aged bulls, and Mr. Cochrane's "Rosedale" in aged cows. Two of the lastnamed gentleman's recent importations, a yearling bull, and a heifer calf, attraoted much attention, while there was much disappointment that the one thousand guinea heifer was not on the ground. Mr. Christie's herd was conspicuous only by its absence. Mr. Snell had a number of very fine specimens on the ground. So also had Mr. John Miller. The Dcvons and Galloways and Ayrshires were in nearly equal force and quality. Some 25 good Herefords were shown. Three Angus cattle only were exhibited. Twenty-four grades, the best among them owned by Mr. John Miller, showed the effect of short-horn crosses on our native stocks. Some very fair working oxen were shown, two pairs of high Durham grades being especially excellent. There were very few fat cattle, a huge steer bred by Mr. J. Vine, of St. Catharines, being the most remarkable. This animal was purchased by Mr. J. Britton, of Toronto, for $\$ 400$.

In proceeding to give a somewhat more detailed account of this department of the Exhibition, we may observe that the plan adopted of having a scparate ring for showing each breed while being judged has been found a great convenience to all concerned. In the centre of each ring a post is planted, from which there swings after the manner of a signboard tl. o name of the particular breed of cattle to which that ring is devoted. Posts and ropes prevent spectators from crowding in upon the judges while in the performance of their duties, and enable a large num-
ber of persons to get a good view of the animals exhibited. To estimate fairly the comparative merits of the competing specimens, it is needfal to see them side by side in the open air. Passing from stall to stall gives but a poor opportunity
of coming to an intelligent and just opinion of the various animals. As, however, the judicial process goes on with the several breeds simultaneously, and we unfortunately are not ubiquitous, it was impossible for us to see all the cattle under the most favorable circumstanees. We therefore naturally concentrated our attention upon the Short Horns. Each year makes it manifest not only that this valuable breed is continually rising in public favor, but that our leading breeders, instead of being satisfied with past results, are constantly aiming at a higher standard of excellence. To pessess the best specimens of this breed in America is not glory enough for them. They are ambitious of competing with and excelling the Short Horns produced in their native haunts, It is undeniable that some of the finest animals bred in and the foundation laid for herds that may yet rival some of those that have beceme historical and famous in England. With shrewd, judicious managementsuch as we have ground to expect from not a few of our breeders-we may look forward to high distinction, if not victorious laurels, in the Short Horn ring of the world. There is, however, one serious difficudty to be overcome. Such are the traditional requirebreeders find it necessary to feed them to o degree that is incompatible with their fullest efficiency in the parentage of choice atock. To be distinguished both in the show ring and the byre, a cattle breeder would need two sets of animals-one fed up to the ing point. Hon. David Christie assigns this as the reason why he has not shown his fine short horn herd for two seasons past; and on the same ground
we understand Mr. M. H. Cochrane intends to withdraw his magnificent cow "Rosedale" from the show ring, that in the quiet and retirement of domestic life at the farm she may bring fonth descendanfs that shall

It is much to be desired thatbysomecarefully framed rule as to the condition of exhibition animals this difficulty could be cot rid of. As it is, breeding and showing are conflic:ing interests-a thing exseedingly to be regretted. If, however, this evil is to be remedied, some rule of uniform and impartial application must be adopted, since any single breeder would show under fatal disadvantages if his animals were sent into the ring in ordinary breeding condition to compete with highly fed rivals.

As already observed, the Short Horn department must bo acknowledged to have made a very fine display. Among nearly a hundred animals of high general excellence, it is manifest that only a few can would bo unfair to soncludo that as his. Bally noticed are unworthy of mention. Had a smaller number been shown, more in proportion weald number been shown, more in proportion would
have come in for particularization. In the class of aged bulls there conld be no question as to the superiority of Mr. Stone's Grand Duke of Morton. Mr. John Miller's Prince of Bourbon is a meritorious animal, and deservedly took the second prize. There were eleven entries in the three year old class-the first prize-taker being a fine bull sired by Oxford Lad and bred by J. Cowes, Esq., of Waterloo. His present owner is Mr. George Wood, of Downie. the two-year-old bull class was a very difficult one to judge, from the large number of superior animals comprehended in it. There were fourteen entries, every one of which was worthy of a prize. The animal that took the highest honors was imported by Mr. Snell, from Kentucky, He was bred by Mr. Abraham Reneck, and is owned by Mr. William Collum, of Haysville. The yearling bulls were a good class, though not equal to the two-yearolds. Bull calves to the number of seventeen were exhibited, and were felt to be a hard class to judge, from the uncertainty of development in animals of so early an age. An imported calf of Mr. M. H. Coch rane's won the first prize. Not the least perplexing competition was that for the sweepstakes. Mr.Stone's bull, the Grand Duke of Morton, gained the enviable distinction, but many thought Baron Booth-Mr. Cochrane's imported yearly-better entitled to it. He is certainly a young bull of remarkable oxcellence and great promise. In aged cows, Rosedale, of course, distanced all competition. Mr. Cochrane, in importing this magnificent cow, walked at once to the highest place of distinction in her class. Mr. Stone's Maid of Guelph, and Mr. John Miller's Lorena, followed next in order. In the threc-year-old cows, the judges astonished most people, and nobody more than the fortunate owner, in giving the first prize to Gola, a recent importation of Mr. Jno. Miller's. "Blood will tell," and this cow being of nearly pure Booth blood, could not be put in any other position than the first. But for this she wonld have ohanged places with Mr. Cochrane's Maid of Athol, which was awarded the second. Mr. Stone's Isabella XIL won the third place of honor. In the two-year-old class, Nelly Bly, a beautiful heifer, the property of Mr. John Miller, won the red card, and the distinction was grudged by nobody whose opinion is worthy of regard. She is an importation from Illinois, and if she does well will be heard from at fature cxbibitions. Mr. Cochrane's Miss Margaret Third, bred by Mr Stone, took the second prize, and Mr. Stone's Cambridge Eighth, the third. The yearling heifers were a very fine class; Mr. Snell's Clara Barton, a very pretty animal, heading them by all odds. Mr. G. Robson's Fannie, third; and Mr. Stone's Miss Margaret Fourth followed suit. The heifer calves comprised fourteen first-rate specimens; Mr. Cochrane's recent importation of Wharfdale Rose got the first premium she was sired by the same bull as Duchess 97 , the 1000 guinea heifer, and cost 100 grineas; she is a heifer of grand promise, having a splendid chest, broad escutcheon, and otber fine points. Mr. Stone took the second and Mr. Snell the third prize in this class.
The Hereford classes comprized a very select lot of animals. Mr. Stone is no longer left alone in his
glory with this breed. Mr. Cochrane compe'es with him very sharply that Compton Lad, the finest specimen in his herd, and perhaps the most perfect bull of any breed on the ground, was bred by Mr. Stone. Mr. W. Perdue, of Chinguacousy, had the high honor of winning from both these gentlemen the first prize for aged Hercford bulls and the sweepstakes; his. Sir Benjamin is a noble animal; he also was bred by Mr. Stone.
TheDevons and Ayshires comprehended anumber of meritorious animals; indeed the show in both these classes was of greatexcellence, and weregret that we cannot now go more fully into details. Some really beautiful animals were shown by R. Spooner, of
Kingston, W. \& J. Peters, of London, H. Spence, of Kingston, W. \& J. Peters, of London, H. Spence, of Brooklin, and other successful exhibitors. In the Ayshire class Mr. W. Wheeler, of Woburn, was the most distinguished exhibitor, and gained fresh laurels for his choice herd of this useful breed. Most of the

Galloway honours were carried off by Guelph, and were divided pretty nearl
T. McCrae and Wm. Hood.
The chief interest in the competition among cattle breeders centred in the Prince or Wales' Prize.
This was ofiered for the best herd, one male and five females, of any breed. Second and third prizes were offered by the Association. Fourteen entries were made for these prizes, but only six herds came to the scratch. Mr. Stone, of Guelph, showed a shortLorn and Hereford herd; Mr. Cochrane, of Compton, did the same ; Mr. John Miller, of Pickering, showed a shorthorn herd; and Mr. W. Hood, of Guelph, a
Galloway herd. The Judges had a long and thoughtGalloway herd. The Judges had a long and thoughtPrince of Wales' Prize to Mr. M. H. Cochrane's herd of shorthorns, the second prize to Mr. John Miller's herd of shorthorns, and the third prize to Mr. F. W. Stone's herd of shorthorns. The reasons for this decision will be gleaned from the following remarks, appended by the Judges to their award:
"In reference to the Prince of Wales' Prize, the
Judges make the following remarks : The committec have had great difficulty in coming to an accurate conclusion as to the superior merits of the herds snbmitted to their inspection, on account of the different breeds of animals competing on equal terms with each other ; the different breeds submitted, viz., Shorthorns, Herefords and Galloways, each of the three possessing valuable qualities. Such diverse breeds should never be submitted on equal terms for prizes. Each are valuable for certain soils and surquestion, the most popular, and probably the best queston of cattle with the majority of our stock breeders and graziers: yet there are large districts of country where they prove inferior to either the Herefords or Galloways. So with either of the latter herds-cach bave given our awards under most embarrassing circumstances; and, had we fully considered the difficulties of the case before us,
hesitated to act on this committee.
"Under all circumstances, we beg leave, with due respect to the better judgment of the Managers of the Board of Agricultire, to suggest that hereafter prizes be offered for the best herd in their general classes, and that each herd be exhibited in a class by themselves, under whatever names they may be known."
suekp.
There was a fine display of sheep, especially of the Leicester and Cotswold breeds. Indced this department of the Exhibition was unquestionably in advance of all preceding shows; and it is doubtful if 80 valuable and choice a collection was ever before got together west of the Atlantic. Owing to the peculiarly unfavorable season just past, there were very few lambs on the ground of any breed, and they were mostly under size. During the unprecedented hot and dry term, ewes could get no grass, and the lambs were not able to take any food but milk. Nost of our flockmasters were obliged to eke out the scant pasturage by resorting to cured clover and meal as in the winter time. A few unusually good lambs that were shown owe their superiority to extra feeding of the ewes, and extraordinary painstaking. The older sheep generally had a healthy, thriving look,
notwithstanding the torrid ordeal through which they notwithstanding the corrid ordeal through which they specimens; but for the most part no complaint can be justly made on this head. There is no percepbeen practised at all, it has been done so adroitly that it cannot be detected even by experts. So far as Leicesters and Cotswolds were concerned, the look of the sheep and the alleged date of shearing corresponded. The firm application of the excellent rule of
the Association on this point has already wrourght a most satisfactory improvement-rather a complete reform.
The Leicester classes must have given the Judges mach perplexity from the uniform expellence of many of the specimens. Two pretty distinct types of this breed were shown by our flockmasters-the original and strictly true Leicester sheep, and the inproved Leicester, obtained ay crosses with more lustrous wool. The liarger frame and ionger and more favorite for this cross, though there is reason to suspect that in some cases the Cotswold is resorted to for the purpose. These long lustrewooled sherp ere deminded hy the Americen trad:
It is this combing woot that United States manufac turers want, and had we a reciprocity treaty our flockturers want, and had weareciprocity treaty our could sell a very large namber of breeding animals of this sort. As representatives of the nor-
mal type of Leicesters, a pair of tro-shear sieen immal type of Leicesters, a pair of tro-shear sheen im-
bred by Mists Stark, of Mellinden. This lady is considered to rank about second among the Leicester brecders of Britain-Lord Powell. of Merton, near Kelso, takin: ${ }^{2}$ the lead. Mr. Oliver's importation is a very thoice one; and these animals, for symmetry and fattening tendencies, could not be surpassed,
though they lacked the length and lustre of wool above though they lacked the length and lustre of wool above
mentioned. Mr. Cochrane had also several imported Leicesters that were very choico specimens of the breed as found at home. Mr. Suell, of Edmonton, had a very fine lot of improved Leicesters that might be taken as models of the sort of antmals demanded by the trade of this country. Could we particularize we might mention several of his sheep-especially some very fine shearling rams-that deservedly attracted much attention. A very fine two-shear ram has just been sold by Mr. Snell for $\$ 250$ to Mr . George Robson of London township. An aged ram imported by Mr. Kirby, of Milton is a very fine animal. Mr. John Scott, of Lobo, had some of the best
ewe lambs this year has produced. Robert White, of ewe lambs this year has produced. Robert White, of
London, had a very fine lot of Leicesters, of various ages-twenty-two in all. Mr. B. Charlton, of London, showed a pair of handsome cwes, and a very pretty pair of twin ewe lambs. Mr. C. Walker, of London township, who may be called the Leicester patriarch of Canada, had seventeen very nice specimens. A
pair of his lambs excelled all the others on the ground, aud the ewe lamb would be hard to beat any year, however favorable. Mr. Kirby, of Milton, had a fine lot of Lincolns and Leicesters. For want of a distinet Lincoln class in the prize list some Lincolns were merely ticlieted as "ext"a entrie "," while others were shown among the Leicestcrs. Among the Cotswolds the frst place must be assigned to the imported animals exhibited by M. I. Cochrane, of Compton. His aged ram is a splendid animal, and, what is a feature of great merit, not too fat for service. The
same may be said of his ewes. These animals ought to liave had the first honors; but they were given to an orer-fed, though well-built. ram of Mr. Stone's, and to a pair of cwes that are advanced in life, past breeding, fed for the butcher, and fit only to be shown as fat sheep. Mr. Cochrane's shearling ewes had ooth first and second prizes. Mr. John ailler one of the most valuable importations of sheep ever made into Canada. They consist of fourteen shearling rams and twenty ewes. All the rams were on the ground, but only five of the ewes were shown. These choice sheep are from the flocks of Messrs. Garnc, Lane, Hower, Tems. and Gillet, all noted Gloucestershire breeders of Cotswolds. One of these rams has been sold to Mr. J. J. Dodge, of Ashtabula, Ohio, for $\$ 220$. This gentleman also bought two ewes of Mr. Cochrane's, we did not learn at what figures. Mr. Cochrane lias imported no fewer than
forty-five Cotswoldsthe presentseason, and iscertainly worthy of all honor for the spirited manner in which he is pressing his way into the lists as a breeder of firstclass stock. In Southdowns, Mr. Stone deservedly carried nearly all the prizes. He has, indeed, a beau tiful collection of this breed of sheep. A few very
nice Shropshire Downs were exhibitad, the imported nice Shropshire Downs were exhibitad, the imported
animals owned by Mr. Cochrane taking the lead very decidedly. A pair of two shear ewes of this breed are the gems of this flock. An aged ram is a good animal, but rather Southdownish in look. This remark applies to the collection of Shropshire Downs exhibited by Mr. H. II. Spencer, of Brooklin. They are a fine lot of shecp. but partake very visibly of
Southdown characteristics. The Cheviots did no Southdown characteristics. The Cheviots did not but slenderly rep face at all; and the Merinos were Mr. Jamison, of Vaughan, carrying off the largest share of prizes. This notice is bat meagre of the rarious sheep classes. To have done justice to the
several meritorious individuals would require our whole sheet.
pigs.
This department of the exbibition, so far at least as numbers are concerned, was quite below what it ought to be in a situation so central as that of Hamilton. It is natural to expect a show numerically inferior at Kingston, whien approaches the eastern borders of the Province. and yet the namber of animals in this class exhifited there last year oxceeded that of the recent exhibition. It is evident that the chief attention of our stock raisers is devoted to the nobler animals, and that the hog has rather boen neglected in Canadi. There were, however, 50 n , 3 ond specimens here of the various breeds of
swine, and the enterprise of several exhibitors, and cspecially Mr. George Rouch, of Hamilton, in importing fresh stock, is highly to be commended.
In the large breed section the Yorksines come
there were some coarse animals ihat might suit the requirements of breeders in the Wostern States, perhaps, where size and weightifor the market are more
considered than symmetry and quality, but which Hould have a bad influence on Cahidian stock. The principal exhibitors in this section were J. Brodie \& Son of Prince Edward County. They showed six animals and gained fire prizes. The best boar over one year, shown by them, was imported from the United States, where last year it obtained the second prize at the New York State Fair in Buffalo. Both it and that which gained the second pzize are splendid boars, though the first was not equal to the latter in condition, nor indced, to our thinking, in other points. Their young sows were also fine animals. Mr. J. J. Biggar, of Trafalgar, showed a tine boar. J. Featherstone, of Toronto, and J. Main, of Trafalgar,
and W. Bethel, of Thorold, were also meritorious exhibitors in this, olass ; Main's Berkshires and Suffolks to his Yorkshire pigs.

In large Berkshires there was a considerable falling off in the number of entries, owing, periaps, to a growing preterence for the smaller breed of improved Berkshire. These animals were not kent sufficiently distinct, but were mixed up with others in a way rather confusing to visitors. J. H. Lauric of Barton was the principal exhibitor, and came off with the lion's share of honors in this section. John Corric of Dereham, another successful breeder, had also some fine animals of this breed, and obtalned the first prize for a well-built and good-looking sow, in too bigh condition for breeding purposes, however, which is perhaps a disadvantage always more orless incident to female sbow animals. These well-bred Derkehires also take on fat with a very little etcoragement $\mathbf{R}$. Spooner and J. Featherstou, of thotito had lugh
Dempsey, of Downing, had good speqims of this variety.
Other large breeds, crosses apparenuly of Chester or Yorkshire and Suffolk, were shawn by Messrs. Main, Featherstone, Roaoh, Biggar, Marshal (Hamil ton), Grant (Hamilton), and W. Thompson oi St. Ca tharincs. A large and very fine sow (ior which a first prize was awarded,) shown by Mr. Genrge Roach, of Hamilton, was, we understood, a recent importation. In small breeds the Suffolks were well though not numeronsly represented. The most noteworthy animals in this group were a boar and sow imponted
from England by Par. Roach, and which ure desirabie from England by Mr. Roach, and which are desirabie
acquisitions to the country. J. Main, of Ticfalgar acquisitions to the country. J. Main, of Tiafalgar, first prizes. J. Featherstone and Husband divided the remaining honors.
The improved Berkshires were here in larger numbers than any other special variety, and amongst Mr several excellent specimens deserve notioe. exhibited two beautiful animals, recent acquisitions from England-a young boar and sow, which deservedly took first prizes. John Corrie, of Dercham, long known as a successful breeder of this variety, had here some choice specimens; in particnlar a yonng shown by other exhibitors were also either purchased from him, or the progeny of hogs raised by him.
Mr. Jolin Snell, of Edmondton, was an exhibitor in this class, and showed a remarkably fine young boar, only six months old, but with promise of a veryline animal. It gained the second prize, being distanced Crumb, of Darlington, showed one of the best buars on the ground, bred from Mr. Corric's sionk. A sow from the same litter obtained a second prize. Mr.Featherstone, Mr. Stone, of Guelph, and Mr. C. Jones, of
Ancaster, also showed some good specimens of the Ancast.
The remaining section-Essex and other small breeds-had very little Essex to shop; indeed most of the animals exhibited under this head were Mongrel Suffolks. Mr. Roach showed the only Easex hogs, and they were very good. Messrs. Main \& rea-
therstone were exhibitors in this class. Mr. Thompson, of St. Catharines, showed the best boar over ono year old, and Mr. Edmondson, of Brantford, the best sow in the same section. Very few of the speaimens call for any special remark. The accemmodation prepared for the swine seemed more ample than was needed, and a number of the pens were occupied
by Merino sheep, others were vacant, and a few were taken possession of by the attendants. One of these lay stretched, in profound slumber, at the back of a pen, and created no small amisement amcng the spectators, who scarcely looked for a specimen of the genus homo in such a place. It will be necessary to make some alterations in the pens for any f.ture exhibition, to prevent the escape of the animals. Many of the attendants barricaded the front of the pens ap propriated to their charge by the unwieldy cases in Which the hogs had been brought to the ground; a precaution which greatly obstructed the view, and was net a little inconvenience to the visitors.


Sorgbum Syrup Bee Moth-Hawthoru.


 are berennimg to tahe an intere-t in the growth al that plans: and so I ha " grown is fir the fow four
 pect of 11 a minimbure.








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 thatate conshing wi two woden roller abmut one
 "prights. with cons in one ath mothere bll the wher. at the top of the crashing part. Thron if the a mit of the rollere are turned down quathoth siv int lew.
 the sweed on. The whole hengath if the lonarerroller will be about thrty-tone mebo- and the other
 plakk. bo ha tolp anl botion, which me lu-in held together by a hate frome at the end of the planks. they heiag abont six fect long. The rollery are tightened tozether by means of a we.lse outosele the plank. Jiereg farmer shond have at least an aree of cano, ax the molasees is breter than solden nurup. The eane is creshed by a honse hiuched to, the sueep.
l'ermit me also, to say a word to my beehecpiag Priends of Canda. Is the Bec Mothis a great annoyawee to ber-kecpers gencrally, it occurred to me shree gears ago that if the moths were gos anxions to Let insid, the have they would collect on combu outiole; I thercfore put two pieces of freh comb in fonat of the bires one creniag I wont to it the nert morning and kilhed trenty-five moths; and a Int eot away. The morning follorsing I killedeeventy use moths, and have not lowen annoyed with them untul this gear, when I tried the same remedy with Hke results.
I wee by your paper that the subject of live fenees is necupring the attention of the farmers of Canada, athl as there is a great variety of thorns growing wild here, two of these I think would make exectlent hedges, for the following reasons:-lat Their close corpact nature. 2nd. Their rough bark, which resists the attacks of mice. 3rd. Their formidable therns. Une of these 1 shall cast the Laurel Thorn. from the fact that its leaf is very like the Laurel leaf, smooth and glossy. I will enclose a lear and at thorn of each of the two kinds I think the best, and if you think there will be a demand for plants I will raise some for sale. I have the English Thorn bearing haws, but they are not to be compared with the Thorn before mentioned.

WM. HOSKINS.
Sarnia. Sept. 1868.
Note by Eb, C. F.-Sereral specien of Ilarthorn, (Fratogus)are indigיnous and common in this country Two of them, ine scarlet-fruited Thorn ( $C$ ( Gaccinea) and the Black or Pear Thorn (C' Iomentosa). hare the leaves deeply toothed on the edges and more or less cut and jagged, besides other cbaracteristies whereby







 the abere Ietior helongel to this viriety. Itie ke cond thorn moat probuhly to one of the other two.

 Mid sulijacet.
l'eat Vr Angus Shaw hrought to thix onice a precimen uf peat fumen on hit farm in Laberide. "ixforil Countr. He says there is apparently an abmiance of it in that arighberhomo.

 tha' for which we g.we a di-ign ith the iesue of lug 1.5. Such a house could be put up in wond for about $\$$ : uro. Ibaitt of hrich it woull cost almat $\$ 3.000$.
Josov Ivr.-Mr. Charles Mungham enquires Wheilur all tioe koralled ing fand growing are


lenf." The move common mative creeper. bery much remomin! in .eneral appearance the pui-onous

 th, . ame matural order as the grape vine. The






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## The Provincial Exhibition.

Tus P'rovincial Avociation of Ontartu mas justly claim the hearty congratalations of the friende of wrienllure on the successful i-athe of their twentsthird Annual Exhibition. L.ooking at the number of - durse the high standard of excellence attained in many of the departments. the good order that pre railed the incroased ard improsed arenmmodation. and the excellence of the arrangements and general management of the whole nflair, wo are constrained to pronounce the recent Exbibition one of the best if not the very best that hascrer been hell in the Province. Great praise is due $t$ the anthoaties of Hamition, the local committec, and the officers of the Assnciation, for the onerey. judgment and good fecl ing manifested on all hands, and in the subordinate ranks, the superint:ndents of the varivus departments, whose offices have proved no sinecure, ar. worthy of all commendation for the manncr in whinh they have dincbarged their oncrutus duties. . Ill the authorities concerned hav - shown a landable consideration for the interests of exhibitors and the conveniener of tl publir, and hate wenstretchedtherpirit of leniency and accommodation in :omematersalmost too far; fur no one will deny that the general work of the Exhibition wonld be materially lightenmel, and the comfort of judges, reportirs, and the publie en hanced by a stricter enforcement of the regulations regatding the time of bringing articles to the ground If all infringements of these ru'r. and ropreluusible procrastination, were followed lig a forfeiture of the privilege of competition exhibitors wonh tuhe care to send tianir articles in gooll time and mu'h of the hurry and crosdinö of wook would ber aroided In-
and the shos-rpoutin bat an opportanity of mohim: their currey without the dimbiack of the imemhen: rain that has hitherto so frequ-ally marrol the onjuy ment of theso neca-inns.
 - hows is the inevitable crowning on the tho pmblic days. This is not only a great diseromfurt, hint renlirs anything like a proper inopoction quite imposibli. Jlow to aroid this yourly increaning inconvenience is a problem that will forceit-rlf on tha attention of the A-sociation, and mutultimately hial (1) some molification of prowent arsangements. This dificulty afiects chicely the departments vithin the matin builling and the arections for the diaplay of Agricultural and Il.rticultural products. Tha bicilitios for inspecting implements and shack were sery mith liotter, and pershapall that could be ateomplinhed in the limited time.

The gratifying proyress that the scienco of arrieulture is makines in the l'rorince, averitent by these D.hihitions. must be manifest to all. and rhould timulate us to prems formard in the path of improsement. It is nut too much to s.ly that ebery depar*ment of the recent Eahibition thowed sume righs of this adrancement; but it has heren mont marked. we think, in the quality of the s:ock, and in the namber. ariety and excellence of the implements diaplayent. The show of short Horn catle, and Leicentre and Cotsrohlabeep, has never been equalled in C'amala The Horticultural department is al-0 one of growin. interest and magnitude. The powitit $u$ and promper of the Fruit Grotrers' .lseociation are grcatly im proved, and indicate a career of pro-perity and new fulneres.
The progress in . Irt and Manufactures is also vory marked, and elicited the admiration rf not a few rtrangers from the adjoining States, athongot whom were some high in oficial position, and erery way qualifed to form an impartial judyment. Lons mas theso peaceful arts be the only rivalry between our neighbors and ourselres.

## The Elarvest.

Tue Grand Trunk authoritics hare this year, as on former occasions. gathered through the agentsat their different stations reports of the state of the crups and the general character of the gield and quality of the different farm productions throughout the country. The account is interesting, but, for the present at least, cannot, for want of space, be given in full. We lowerer present a condensed view of all that is most important, from which we beliere our readers wi', have a distinct idea of the est:mate furmed of the hartest in tise distrirts through which the Grand Trunk passes. For convenience of reference the Whole range of the Grand Trunk is divided into the folloring districts: I. Tue Buffat.u asb Gudehitia. II. Tue Weatern. MII. The Centbala IV. Tur. Eavters, and V. That of Quedec and Rivieme Du Lotr.
I. In the first district, siz., that of Buffile and Guderich, the reports of the different crops are tolerally uniform throughout. The fall wheat, without exception, has been an excellent crop. The very lumest sicld mentioned is fifteen bushels an acre, and that only in one report; white other cases are mentioned where the return has been as high as thirty-five. We -hwald s.y that the aserage throughoul the listrict "ould appear to be from twenty-two to twentg-fire bushels per acre, and a very fine sample of grain. The early sown spring wheat seems, in certain local ities, to fave suffered considerably from drought
and midge, and, in some instances, is spoken of as a failure. Still, with few exceptions, it will yield from ten to filteen bushels per acre, and the breadth sown is considerably larger than in average years. Barley is spoken of as a light crop, though in some instances the yield is as high as thirty bushels per acre. The same thing is to be said of oats and peas. Upon the wiole these coarser grains are rather under the average, on account of the drought, but not to such extent as might have been expected. Hay is generally heavy ; and root crops, on account of the dryness of the season, almost a failure in some cases, and light in all; but the late rains may still, in some measure, remedy this.

The reports for the western district, which extends from Sarnia to Toronto, are generally of the same character. There is not a single report which speaks of the fall wheat crop in any but the most favourable terms. The yields mentioned range from twenty to forty bushels per acre, and the sample is of the best description. 'The spring wheat is, as in the other district already referred to, not so good. Yet it is not, except in very rare exceptional cases, to be spoken of as a failure; and, but for the contrast between its yield and that of the fall wheat, would be almost regarded as a fair satisfactory crop. Root crops are generally spoken of as poor, but the hay is very abundant. Over such a wide extent of country there will of course be considerable diversity, but in general the coarser grains, barley, peas, de., are rather, if anything, below an average, though in very few instances, indeed, spoken of as a failure. Flax seems, upon the whole, to be about the same as last year.
In the middle district, extending from Toronto to Montreal, the samestory substantially is told. From Toronto to Belleville there is not one report which mentions the fall wheat as below an average crop, except in the case of Newtonville, where, however, it is still said to have areraged about twenty-five bushels an acre-not sobadasthings go. AtBelleville the winter wheat is said to be poor in quantity, but the quality good. From this port downwards but lit'le fall wheat is raised, but what was grown secms to have turned out well. The spring wheat is generally represented, as in other districts, to have been injured by the excessive drought, still, over all, it will come very little short of an average yield of from fifteen to thirty bushels per acre. In some instances it is spoken of as above an average, and in others as the best crop harvested for many years. While barley isspoken of as alight crop in someinstances, generally it is fully an average, and in some cases considerably above. The same thing may be said of oats. All represent the yield of hay as very large, and housed, of course, in the best condition.
In the eastern and Riviere du Loup districts the reports, upon the whole, are very satisfactory. The Wheat isalmost uniformly spoken of favorably, though the breadth sown has not been large. Oats and barley, with some isolated exceptions, are a fair average. Hay is spoken of in a good many cases as light, while there is not so generally an untavorable estimate of the root crops as for the west.

Upon the whole, there is every reason for the people of Ontario and Quebec being satisfied with the harvest of 1868, and thankful for it. There will evidently be enough for home consumption, and a large margin for exportation. Of course the expectations of our unusual yield raised at the beginning of the season have not been realized, but the fears subsequently entertained and expressed by many, have also, in a great degree, turned out to be groundless. With the prices going, farmers will make out well, and even though a lower price should rule for the rest of the season, they will have no reason to complain. It is a good while since such a crop of fall wheat was gathered, and though other crops may not be correspondingly bountiful, yet, upon the whole, they seem to be tolerably fair, nay, what in other years might have been looked upon as deserving of being spoken of in even stronger and more favorable terms.

## Quebec Agricultural and Industrial Exhibition.

By Legislative enactment the Provincial Exhibition of Lower Canada should be held every other year, alternately in Quebec and Montreal. The last was held in 1865, in the latter city, and consequently Quebec should have had one last year; but failing to provide the requisite funds, lost the honour. Montreal, therefore, with commendable spirit and enterprise, held one this year in place of that which should have been held in 1867. The combined Agricultural and

İdustrial Exhibition was formally opened on Tuesday' Sept. 15th, by the Lieutenant-Governor, Sir Narcisse F. Belleau, the previous day having been occupied in receiving articles and completing arrangements. The weather during the first two days of the week was magnificent, and everything betokened asuccessful exhibition. The total number of entries was over fifteen hundred, and in some of the departments the show eclipsed any former one in the Province. On Tuesday there was no great crowd of visitors, but on Wednesday, spite of a most unpropitious morning, there was a very full attendance of spectators, safficient to show that considerable public interest was felt on the occasion, though there was not the overwhelming crowding which usually distinguishes the principal public days of Western Provincial Exhibitions, rendering the task of inspection one of no small difficulty. In the early part of the day ample space was left for a leisurely examination, though : drenching rain and consequent muddy ground made it uncomfortable enough; but the sky cleared as the day advanced, and the weather, probably, did not much affect the throng of visitors. In the absence of proper show grounds and buildings, the exhibition was held in different parts of the city. The live stock and farm implements occopied a ficld known as the Priest's Farm, in the north-western part of the city. This ficld is surrounded by open sheds, and others lave been erected in the middle, an open space being left for a horse ring and for implements. The agricultural productions were shown along with the industrial department in the Exhibition Building, St. Catharine Street; while the Horticultural Society held a separate show of fruit and flowers in the Drill Shed.

One noteworthy feature about this Quebec exhibition which strikes a stranger from the Western Province, and would doubtless be still more surprising io an American visitor, was the comparative absence of side shows. A few refreshment stalls were to be seen along the route to the fair ground; but beside these there were not many temporary erections to be seen outside; indeed, one vociferous and eloquent showman nearly opposite the principal entrance seemed to be without any rivalry in his line, and donbtless realized a rich harvest from the credulous public by the exbibition of "Dr. Livingstonc'sChimpanzec" and the "living Kodloo-kamba, from the wilds of South Africa." This last animal, to judge from the pictorial representation on the outside, was a slight improrement on the Chimpanzee, and suggested the idea of Barnum's gorilla. Both the city and the exhibition proper gain by the paucity of these itinerant caterers of the marvellous.
In the livestock department there was altogether an excellent show; and though the accommodation was of a temporary nature and adapted for fine weather only, yet the general arrangements were good. Fodlowing the order of the prize list, the animals were grouped according to their classes and sections, so that a fair opportunity was given both for judges and spectators to make their comparisons between animals of the same breed and age. Up to the time of our leaving the ground, however, the visitor had to submit to oneserious disadvantage, whichisespecially felt in attempting to give any account of the exhibition, namely, that nonames wereattached to any of the articles; nor, with few exceptions, had any of the prize cards been put in their places. This last defi ciency was in due time remedied; but the names of the exhibitors of animals that did not gain prizes were only in a few cases made known to the public, so that a stranger could not well specify either animals or exhibitors. This must be taken into account and all allowance made for omissions in this cursory not:ce to give honour where bouour is due.
With this explanation, we will speak first of the horses, of which there was a good display. A most unfortunate accident diminished the number of those on the ground on the third day. For want of proper
removed for the night, and a fire having broken out in one of the stables in the neighbourhood where some of them were accommodated, three very fine horses perished. One of these was the imported Clydesdale horse "Briton," belonging to the Beauharnois Agricultural Society. Another valuable Clydesdale, two years old, imported this year by the Huntingdon Society, and an Anglo-Norman horse belonging to the same society, were also victims of this sad catastrophe. The origin of the fire was not made kzown. Some of the animals in the same stable were fortunately saved.
One peculiar feature in this class was the Percheron horses, of which there were some magnificent specimens. These recently introduced heavy dranght horses seem to be gaining farour in the Eastern Province, and also in the United States. They have valuable points about them which will probably lead to their introduction into Ontario.
Of the Clydesdales there were some fine specimens; among them a splendid animal called "Lord Clyde," bred by Mr. Miller, of Markham; also one imported by Mr. Robt. Brodie, of North Georgetown, Gounty of Chateauguay, who purchased him last year from Messrs. Muir, of Huntingdon Mains, Scotland. The weight of this animal is $1,838 \mathrm{lbs}$; his height, seventeen hands and an inch. He is a well developed, finely pioportioned, and pawerful animial: There are other very good horees of the tame breed; but the chicf of all the draught horses, and indeed the best in the class, was undoubtedly Mr.Cochrane's Suffolk "Bounce,' which not only gained the first prize in this section, but also the Prince of Wales' prize for the best imported stallion. This noble animal has already been described and his portrait given in the Casada Fammer. He is now in excellent condition. Mr. Cochrane also showed a pair of Suffolk mares, in the heary draught section-one of them imported last year and the other recently.
Among the thorough-bred horses were two beautiful animals; one owned by Mr. Carlos Pierce, of Standstead, and called "Canwell," was imported in 1863, by the Quebec Agricultural Socicty; the other is the property of Mr. Hagh Brodie, and is named "Wagram.' IIe was bred in Kentucky. There was an excellent display of native Canadian horses. Altogether the show in this class was well filled, and if space permitted, many others of great merit might be specified.

The show of cattle was chiefly remarkable for the shorthorns exhibited by Mr. Cochrane, which would bave graced any exhibition in the world. Most of these have mado their appearance in Canadian show yards before, bat some aro recent importations. Mr. Cochrane did not, however, show the chief of his recent acquisitions, the Durham heifer, "Duchess 97," for which the very high price of one thousand guineas was given to her lato owner, Captain Gunter, of Westerley, in Yorkshire. She was sold on the express condition that she was not to return to England. She is to be bred, we understand, to "Eleventh Duke of Tho is to be bred, we and if her enterprising owner is fortaThorndalc," and if her enterprising owner is fortu-
nate, will doubtless add some noble animals to the nate, will doubtless add some noble animals to the
Oanadian Herd Book. Mr. Cochrane also bought from Captain Gunter, for one hundred guineas, a roan heifer, "Wharfdale Rose," by "Third Duke of Wharfdale," from "Oxford Rose," by "Sixth Duke of Oxford." This heifer gained the first prize in the year old class. It is almost needless to say that Mr. Cochrane carried off all the honours in the Durham class, "Rosedale" being the most admired of the beautiful herd of these choice cattle which he exhibited. He showed also some fine Herefords, "Compton Lad" among them. A 7 a number of these choice animals were exhibited at Hamilton, and are referred to in our account of our own Provincial Exhibition, any further notice of them here is superfloons. Near these were some beautifal little creatures, a herd of Jersey cattleimported by Mr. Sheldon Stevens. They were procured mostly from the Queen's Farm at Windsor, and the rest from Mr Fowler, of Jersey. They were genuine Alderney breed, and were now for the first time, we believe, shown in Canada. They are diminutive, gentle animals, with a decr-like expression, and well adapted for private dairies, the extreme richness of their milk making them especially valuable for the purpose They will have to be carefully housed during our severe winters. Nr. Sheldon's herd consists of twelve head altogether, eight of which were exhibited. Close to these, and as if purposly to show to advantage the
contrast in size, was a mammoth ox, "General Grant," exhibited by Mr. Carlos Pierce, of Stanstead;
his weight is said to be over 4,500 lbs., ana ne stands over sin feet high. He looks a very Goliath among beeves. There was a pretty good show of Ayrshires, Mr. Irving, of Logan's Farm, exhibiting some good covs, and the Beanharnois Society a fine bull. Of Galloways, besides two or three bulls, there was a ganall herd purchased by their present owner, Mr. Aslaworth, of Ottawa. from Colonel Denison. The grade cattle were numerous, and some of considergrade merit.

The show of sheep was also good, and in this class Mr . Cochrane was the principal exhibitor. He showed Cotswold, Oxford Downs, and Leicesters. In the latter breed there was some good competition. Mr. D. Elliott showed a flock of Cheviots.

The collection of swine was not very large, but there were some good specimens, among them some Prince Albert pigs imported by Mr. Sheldon Stevens from the Windsor Farm. Mr. Irving also showed some good large breed hogs.
In the poultry class, Mr. Sheldon Stevens and Mr. Cochrane were the most meritorions exhibitors; but the digplay was very limited, and shown to great disadvantage, on account of insufficient space and utter disregard of methodical arrangement; rabbits, turkeys, bantams, geese, pigeons and Brahmas being promiscuously grouped together in the strangest confusion.
The display of implements was good but not extensive. Mr. Glenn showed a combined reaper and mower from the Joseph Hall works, Oshawa; Mr. Evans, of Montreal, an American machine; Mr.
Moody, of Terrebonge, an Eagle mower; and Moody, of Terrebonne, an Eagle mower; and
Messrs. Frost \& Wood, of Smith's Falls, a buckeyc machine; Mr. Johnson, of Montreal, also showed a combined reaper and mower. There were a number of threshing machines on the ground, all to western eyes of small size, and mowed by the incline tread power with two horses. These were tested for the satisfaction of the judges on the ground, and attracted a large crowd of spectators. Ploughs, chiefly of iron, were numerous, as were also most of the ordinary farm implements. A very useful contrivance was
shown by shoemed welladapted for the work of lifting and removing large stones, and could be applied to the purpose of raising stamps out of the ground. In the midst of this display of implements was an ingeniously contrived camp tent, which would rejoice the heart of an amateur hunter or surveyor in the back woods. It is made of good stout canvas, and mostluxuriously fitted up inside with table, bed, camp stools, small cook stove, besides an ample supply of tinware sprons, knives and forks, and all the requisites for camp life. The tent and its miscellancous furniture can be compactly folded together, and stowed for importation in four strong bags, the whole not weighing over eighty pounds. The maker is James A. Hunt, of Quebec.
On the same open space with the implements were some specimens of fences and gates, Mr. Lewis, of Melbourne, exhibiting his newly patented contrivance that dispenses with hinges and substitutes rollers on which the gate slides. Mr. Lewis had these gates in several varieties.
On this portion of the ground was a stand of beehives, most of them made, in part at least, of straw, and also a stock of Italian bees, but the names were not attached, and there was no one near to give any explanation.
The agricultural productions were collected together in a very small compartment of the Crystal Palace or Exhibition Building. Along with some very inferior specimens, good samples were exhibited of grain and of roots, especially of potatoes, which wonld seem to do well in the neighbourhood of Montreal in spite of the drought. Really excellent speci mens of Indian corn were also to be seen; but the show in this respect was very limited, and altogether eclipsed by the miscellaneous display of the Industrial Department, which occupied the main portion of the floor and galleries in the spacious building. Indeed, this unpretending but most important part of the Exhibition seemed so much thrust aside that a visitor might pass through the building without discovering it. There was a fair show of dairy products.
The Agricultural Department of the Exhibition was altogether creditable, and an improvemint, we believe, on any former show of the Province. The towal number of entries was as follows:-Horses, 225 cattle, 430; sheep, 400; swine, 127; poultry, 130;
grain and seed, 177 ; roots and vegetables, 205; dairy products, 160 ; implements, 200.
At a mecting of the Agricultural Association, Mr. Cochrane was elected President, and a gold medal was awarded to him for his eminent services in imporithe valuable stock into the country. The socicty grunted the sum of $\$ 100$ to the $\Lambda$ gricultural Associations of Huntingdon and Beauharno:s for each of the horses lately destroyed by fire. It was also resclved to ask the corporation to contribute to the crection of permanent buildings for the accommodation of stock,

The Industrial Department was held in the Exhibition Bailding, in St. Catharine Street, and was crowded with articles of Canadian manufacture in bewildering varicty. Visitors, as usual, thronged all the passage-ways, rendering the task of progression or examination difficult and tedious.

The press of other matter more immediately within the scope of this journal precludes the possibility of any detailed description of this department.
The Montreal Horticnltural Society held their show, unconnected with the Provincial $\Lambda$ ssociation, in the Drill Shed, a spacious, lofty. and well lighted building, admirably adapted for the purpose. The style of decoration was in good taste, and the whole effect was charming. The display of fruit was not large, but the grapes grown under glass were remarkably fine. There was also an excellent collection of apples, and some good pears and well ripened melons of luscious flavour. Of other fruit there was but a meagre show. Two long tables of flowers gave good evidence of the skill and taste of the amateur and professional horticulturists in Montreal. There was an extensive collection of stove plants, which formed a conspicuous feature in the exbibition. There was a large attendance of visitors, and during a portion of each day the s'rains of a good military band enlivened the scene.
The combined attractions of these exhibitions, the Dominion Rifle Match, the Anglican Synod, the visit of the Govenor General and other matters of special interest, filled the city to overflowing, and it was with the greatest difficulty that the influx of strangers could find accommodation.

## Montreal Verterinary School.

We direct attention to the advertisement of the Montreal Veterinary College and Institution, that is we believe steadily progressing, and doing import ant service to the cause of arriculture in Quebec. We may mention, in connection with this subject that the school has lately sccured a valuable acquisition in a set of life-size and magnified models, which are intended also as a muclens of an Industrial Museum. We are informed that some time ago, Dr. Leclere, the Secretary of the Board of Agriculture baving visited the Agricultural museums of Washington and Albany, made a report of some artificial anatomical and vegetable models he had seen in those collections. The report was made in March last, and in consequence the Board voted $\$ 1,000$ towards the formation of a similar collection. Dr. Auzoux. of Paris, was accordingly written to, and some: rery interesting preparations have lately arrived, which were exhibited at the recent Provincial Show in Montreal. The most remarkable of these is a horse, nearly life size, which takes into about a thousand pieces, the exterior showing on one side the skin removed, with the nerves bencath, and on the other side the muscles, each portion being coloured to exactly resemble life. The head can be removed, and divides into numerous pieces, showing all the internal portions. Parts of the back and side being removed, all the organs are displayed, being exactly modelled after life. This is intended for the use of the Montreal Veterinary School, under the able direction of Mr. McEachran, and will certainly be of the greatest benefit to the pupils, during lectures, in that excellent institution. Among the other models are jaws of thirty pieces, showing how age is discovered by the teeth. There is also a set of small models, or tableaux, illustrative of the structure and development of the teeth. Also, the jaws of an ox in thirteen pieces. Not the least ingenious are the paiselogical preparations, in thirteen pieces, showing diseases of the extremities. By the substitution of one piece for another, the same limb, in a healthy and dis eased state, may be shown; bones of the hind leg twelve pieces; hind extremity dissected, showing bog spavin, wind-galls, bursal enlargement. A model of the hoof, taken into three pieces. The lower anterior extremity, showing tendons, blood vessels, nerves and ligaments. Among the vegetable preparations, is an enlarged model of a sweet pea, taking into twelve pieces, showing their minute structure and component parts; also a grain of wheat, thrce hundred times its natural size, dividing it into longi tudinal and transverse sections, showing formation and disposition of cells, and also illustrating growth and development of germ. There is also a large cgg, one hundred and forty-tight times the natura
size, showing shell, size, showing shell, lining membrane, disposition
the yolk, white, and embryolic development of chick. The Board of Agriculture also contemplate getting a large collection of model sceds and grains, belonging to rarious quarters of the globe, from the celebrated French firm of Vilmourin and Andrin of Paris, the whole with a view to the formation of an Agricultural Museum.

## Stock Sales.

Cotswold and Socthdown Sheep.-Among the advertisements in our presentissue are notices of several important stock sales. Mr. Stone, of Mo:cton Lodge, ruelph, announces a sale of Cotswold and Southdown sheep to take place on Thurstay. Oct. 15th. He of fers a number of rams and ewes of both breeds, on advantageous terms, time being allowed for payment. The high reputation of Mr. Stone's flocks renders any thing beyond the announcement of the sale unnecessary. Those who are commencing to raise sheep, or who wish to improve their stock, should avail them selves of this rare opportunity. A number of Berk shire hogs are included in the sale.

Short Horn Cattle.-A sale of Short Horn cattle is advertised to come off on the farm of Mr. Douglas, Onondaga, on the same day.

Shont Horn Bells.-Mr. H. G. White, of South Frammingham, Middlesex county, Mass., U. S., adver tises for sale the Short Horn Bull Ninth Duke of Thorndale (of Duchess blood). His dam is from the same cow that dropped the Eleventh Duke of Thorndale, now the property of Mr. Cochrane. The Glen vale Society also offer a Durham Bull for sale.

Prize List-We defer, as heretofore, the publica tion of the Prize List tillit has been officially correctec and completed.
Inter-Pnomincial Ficit Growers' Prize.-We in sert in the present issuc an advertisement, which w regret we did not receive sooner. Though date from Wolfville, on the 30th August, it did not reacl this office till after the publication of our last issue, anc we fear the announcement is altogether too late to $b$ of any use to the fruit growers of Ontario. All tha can now be done is to insert the advertisement, anc call attention to the liberal intentions of the Nov Scotia Fruit Growers' Association, who offer a prize consisting of a gold medal and one hundred dollars in money, for the best collection of apples, six of eack sort, grown in any Province of the Dominion, to bt competed for at the Agricultural and Industrial Exhibition which will open in Halifax on the fifth day of October. If the Horticulturists of Nova Scotia can beat the tisplay of apples at the recent Exhibition in Hamilton, they may reckon themselves the champions of the world, and we should like to see the Show.

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Address of the President of the Provincial Association.

At three o'clock on Thursday afternoon of the exhibition week, the President of the Association, Mr. Thomas Stock, of Waterdown, delivered the annual address from the grand stand in the Exhibition Grounds.
Hon Asa A. Burnham, of Cobourg, Vice-President of the Board of Agriculture, introduced the President to the meeting; and he then delivered his address. He was not, le raid, going to make a set speech on the occasion; he made no pretensions to oratory. But he felt that he might, perhaps, in the course of a few remarks, be able to throw out some ideas of value; and if he succeeded in doing so, he would be well repaid for any trouble he had taken in the matter. He desired to bring before them a few circumstances coming under his own observation, and indicate what in his opinion would be improvements. This Agricultaral Association had been in existence now for twenty-two years, and they all knew that immense progress had
been made in that time. He had the privilege of attending the first Exhibition in Toronto. It was one got up by a few of the pioneers of the West, some of whom were standing before him. To these men the public were now indebted for all the good which the institution they had founded had been the means of effecting. It was commenced under many disadvantages. The implements then used in agriculture were of the rudest nature, and agriculture was altogetier in a most imperfect state. The time to be spared from the labour of farm clearing was too little to leave hope of much progress at that period. But what had been accomplished since then was patent to all. Year by year these exhibitions had gone on to all. Year by year these exhibitions had goac on had reached their present magnificent dimensions. He sincerely hoped that in respect to them a retrograde movement would never be witnessed, but that they would ever be found to lourish. He need scarcely remind them of the immonse increase which had taken place in the value of stock within the period he had allnded to. But, as a practical farmer, ho would urge them not to rest contented with the ho would urge them not to rest contented with the
stand-point they had attained, but perserere in the road of progress. The present Exhibition undoubtedly was a great success-perhaps the most successful one ever beld in the Province. But he wonld caution them against entertaining the notion that caution limit of progress had been reached, and that they had done all that was necessary. Such a notion must infallibly tend to their harm, and he would again caution them against it. It was said to be more difficult to make progress in a state of prosperity than in adversity, and his own experience led him to believe this. What should loe the aim of every visitor to the fair was to increase his of every visitor them take with them to their homes the information so fully acquired here-let them exercise their judgment in regard to what was to be seen, and wherever they got a useful bint carry it away with them. Let this exhibition not be made by visitors a mere holiday matter-a time of pleasure and excitement. It should, on the contrary, be one of the hardest working weeks in the year to all desirous of increasing their stock of knowledge and sirous of increasing their stock of knowledge and
advancing in prosperity. This seemed to him to be the great object of this exhibition, and as one of themselves he solicited them to make good use of the information which can be so fully acquired at these cxhibitions. Reverting to the early days of the exhibition, he remembered that the first year all that was offered in prizes was $£ 400$. This year the Associaoffered in a prize list of $\$ 13,000$. That was pretty fair progress, and furnished an answer to those who fair progress, and furnished an answer to those who
sometimes said the progress was not fast enough. It sometimes said the progress was not fast enough. It
seemed to him that, looking at the advance in the time mentioned, in arts, agriculture, mechanics and manufactures, the progress had been as fast as could bo safely made, and was certainly more than could have been anticipated. Mechanics, for instance, might well be proud of their contributions to the Fair, for they were such as have not been surpassed by any exhibition. Gentlemen from the States, England, Scotland, and elsewhere, who had attended the exhibition, had expressed themselves astounded at the perfection and excellence of the manufactures shown. What a contrast these fine farming implements shown presented to those in use in the time when they were confined to some old Ancaster ploughs and a few imported from Rochester-when farmers were obliged to use an article with no leverage in the world, and when farming was altogether a tremendous task. At any of the exhibitions now were to be seen splendid iron ploughs, harvesters, and an immense variety of agricultural implements. Therehadinfactbeena complete revolution inagricnlture since those olden days. The system of sowing wheat from year to year, until even the best soils became exhausted, had given place to that of a rotation of crops, and there was no fear of a return to the old style again in that particular. And in this connection he would remark that much of the stuff raised by farmers under the new system was not such as could be exported; and since that was the case, he would say by all means encourage manufacturers to come to the Province, stay there, and be consumers. He did not believe in the rule laid down by some to buy in the cheapest and sell in the dearest market. There were circumstances when this would not be politic, and ho thought that as mechanics purchased their surplus and non-exportable stuff from farmers, and thereby gave the latter a market they needed, so, in tarn, mechanics should be encouraged and protected against foreigners. In the infancy of their manufacturing interests, such guardianship and encouragement was, no doubt, necessary, and cold get along on free trade principles. Protection was needalong on free trade principles. Prokection it, until their manafactures reached more ed, he took it, until their manufactures reached more
strength, and was decidedly the best policy for Canada at present. These were his views on the subject. A continuous run of prosperity had increased their
institution to one of mammoth extent, so that it was not possible for all to have that opportunity of examining the articles which was desirable. The crowd was too great, and the time too short to admit of this bcing done. But the institution was now coming into existence under the new Act, which entirely altered their duties. He did not know what plan to suggest to remedy the evil alluded to, but was of opinion that it might be met either by an extension of the fair time, or by fome other plan. Under the new Act the country was divided into twelve electoral divisions, and instead of voting at the annual meeting on some names submitted, each County Association clects at its annual meeting a representative to the Boarl of Agricuiture. Defore this, the Doard and President managed all the business of the Association except during the week of the show. Tben it was the lresident's busincss to take charge of the arrangements. Now the arrangements were improved, and the people had more control of the Association and its affairs. Having alluded to the vast improvement shown in all the departments of late years, he urged those present to forward the interests of the Association in erery way, and not be ready to take offence at every little thing that occurred not to their liking. If they had fault to find, the way to do was not to grumble and stop at home, but come up and entearor through their representatives to secure the desired remedy. There were too many grumblers and too few workers in that as in other institutions. But, notwithstanding all that. the Exhibition had been a great success-even beyond what conld have been anticipated. Haring noticed his lengthy connection with the institution, thanked them for tic trust they lat reposed in him, and the :onor tone him, by cecting him President, he went on to say that lee was going to retire from office, but still would alwars esteem it a pleasure to do what he conld to adratee the interests of the Association. He then alludel to the cattle disease, and to the trip of a committee of the Association to enquire into it. As one of that committec, he would say that it was admitted on all laands that the criginal cause of the disease is not knowa, nor isit known howitis communicated. He would merely say, as it was possible that some of their neighbors from the other side of the line might be present, he desired to return them hearty thanks for their kindness and hospitality to the committee, and the help afforded them in their mission. In conclusion, he would ask those present to join with bim in returning thanks to an All-wise Providence for their lets abuadant harvest-a harvest, one of the greates: proofs of the richness of which was shown in the success of their Exhibition. He desired, finally, to return thanks to his colleagues for their co-operation, and to the local committees.

## Annual Meeting of the Provincial Agricultural Association.

The annual meeting of the Provincial Agricultural Association was held in the Court-house, Hamilton, on Thursday evening, Sept. 25th. The President, Mr. J. Stock, occupied the chair. There were present a large number of delegates from the different agricultural associations. The President explained that, under the new law, the society could do no more than appoint auditors and choose the next place of meeting. Col. Johnson, Loudon, and T. D. Harris, Toronto, were appointed auditors. On motion of Mr. Ashford, seconded by the Hon. Mr. Skead, it was resolved that the next exhibition be beld at London. The Mayor of London and Ald. Partridge and Durand offered the usual guarantees of accommodation for the exhibition. Hon. Mr. Skead notified delegates that the city of O tawa would move to have the cxhibition held there the year after next. The old by-laws were re-enacted and a committee appointed to revise them. Thanks were passed to the city of Hamilton for its accommodation for exhibition purposes.
Some discussion then ensued with reference to the cattle disease. Col. Denison explained that the Hon. Mr. Allan was delegated officially from Now York, and came to Canada to show that they on the other side were anxious to act with us in the matter. He had met the board in an informal manner, but had been obliged to leave Hamilton before this regular meeting of the association. It was finally resolved in reference to this matter That the Board of Agriculture be empowered to take such steps as are necessary to meet the delegates at Rochester with reference to the cattle disease, and the propriety of holding an international convention.

In answer to an enquiry, the Secretary stated that the report of the committee on the cattle disease was being printed, and would be distributed shorily.
$\Lambda$ vote of thanks was passed to the railway and sleamboat companies, the judges and the President, when the meeting adjourned.

## Meeting of the Board of Agriculture.

The members of the Board of Agriculture met at Hamilton on Wednesday, Sept. 24, for the parpose chiefly of considering what steps it was desirable to take in reference to the cattle disease, and whether any relaxation could now be safely made in the order prohibiting the importation of Western cattle.

It was resolved-"That the Board having ascertained that the cattle disease has almost if not entirely abated in the Western States, and thatno danger need be apprchended from the transportation of Ameri an eattle through Canada, would recommend that the Government do remove the prohibitory order on and after the 1st of Octoler, and would, as a matter of precaution, suggest that competent persons be appointed at Detroit and Port Huron for thirty days, to inspect all cattle before being shipped through Canada, and to see that the railway companies use proper disinfectants; and that the Secretary do forthwith send a copy of this resolution to the Minister of Customs.'
It was also resolved to ask permission from the Government to allow Mr. Cochrane to exhibit at liochester.

## Entries in the Agricultaral Department of the Exhibition.

We give below a summary of the number of entries in the Agricultural Department of the Exbibition, and in corresponding columns those of 1866 and 1867:


|  |  |  |  |
| :---: | :---: | :---: | :---: |
| Blood. | 2 | 4 | 6 |
| Agticultaral. | 131 | 96 | 134 |
| Hoad and Carriago | 161 | 181 | 196 |
| Heavy lraught.. | 62 | 54 | 65 |
| Total | 276 | 335 | 411 |


| Prince of Wales Prize-Herd. |  |  | 14 |
| :---: | :---: | :---: | :---: |
| Durham | 92 | 86 | 127 |
| Devons. | 106 | 59 | 72 |
| Hercfords. | 32 | 34 | 83 |
| Ayrshires. | 91 | 122 | 81 |
| Galioways. | 59 | 5 | 88 |
| Angus.... | 12 |  | 3 |
| Grade..... | ${ }_{88}^{68}$ | ${ }_{31}^{64}$ | ${ }_{3}^{46}$ |
| Fat or Working Catue |  |  |  |
| Total. | 486 | 448 | 527 |
| samer. |  |  |  |
| Leicester............................ |  | 210 | 336 |
| Cotswold. | ..... | 117 | 125 |
| South Downs. | ... | 67 | 103 |
| Shropshire Downs. | ...... | $4{ }^{4}$ | ${ }^{33}$ |
| Fine Wooled. | .... | 39 | 88 |
| Fat shcep...... |  | 10 | 22 |
| Total . | 672 | 490 | 27 |
| PIGs. |  |  |  |
| Yorksbire. |  | 30 | 87 |
| Large Berkshiro. |  | 31 | 17 |
| Other large breeds. |  | 18 | 28 |
| Suffolk . |  | 39 | 29 |
| Improved Berksbire |  | 49 | 48 |
| Essex and other small breeds. |  | 31 | 38 |
| Total....................... | 185 | 198 | 199 |
| poclits. |  |  |  |
| Total..... | 376 | 214 | 343 |



| hortictltural and dairy frodecta |  |  |  |
| :---: | :---: | :---: | :---: |
| Garden Vegetables.. | 552 | 208 | 453 |
| Hlants and Flowers | 192 | 108 | 122 |
| Dairy Products, \&c. | 145 | 135 | 177 |
| Total. | 13:8 | 778 | 13.5 |
| agrictlitoral tmplewents |  |  |  |
| Hores or other juwer. | 128 | 118 |  |
| Do for hand use | 122 | 117 | 153 |
| Total . | 250 | 235 | 359 |
| Cattle Food, sc... | 11 | 5 | 9 |
|  |  |  |  |
| .1 1868. |  |  |  |



## The Horticultural Products at the Exhibition,

Tee Horticaltural Products were shown in a long wooden building erected on the wost side of the Crystal Palace. This arrangement tended greatly to relieve the throng in the main building. A wide table extended down the centre, on which were displayed the fruits and flowers, and on each side of the building the vegetables, grain and dairy products were shown. Notwithstanding the very dry and unfavourable season, the collection of fruits shown was superior to those exhibited at any former exhibition, and in open air grapes especially a very marked improvement was discernible. From the crush of people always in the vicinity of the place where they are to be seen, there is no doubt a very great interest taken in them by the public gencrally. Among the newer varieties were shown, Iona, Israeli, Allen's Hybrid Adirondac, Rogers' Hybrids of various numbers, and a variety of seedlings.
The division of the prize list into professional and amatear departments three years ago, ha3 proved satisfactory, and now affords a better opportunity of showing the progress among both sections of exhibitors. It also affords cither the opportanity of more correctly judging of the advancement of the other, thus making the race more decided and the parties more conspicuous than if both were mixed in one class for competition. The entries by professionals were much larger than ever before, and the same remark applies equally to amateurs. A gentleman from Ohio remarked in regard to the show, that the sight of the tables repaid him for all his trouble. Both are progressing equally fast, and indicate that Canada is destined to be a very great fruit producing country. Among the professionals, a fine display from Nessrs. Geo. Leslie \& Son, of the Toronto Nurseries, occupied the head of the table, where it attained just prominence from its variety and perfection. It contained 110 varieties of -apples, fify-five of pears, thirteen of plums, thirteen of hot-house grapes, and fifteen of open air grapes, besides cral-apples, cherries, currants, strawberries, and a varied collection of other fruits. A collection of the same size has never before been brought together, and has well carned the prize which Mr. Geo. Leslie, the senior in the firm, has gained for the last fifteen years. It was awarded a diploma in addition to the prize. Messrs. John A. Bruce \& Co., Hamilton, also competed in this department, but fell far short of Mensrs. Leslie in number, though some of the specimens were very creditable. They gained a second prize. As a whole, apples were somewhat smailer in size than those shown in 1866, which was a favourable year for their production, but fully up to those shown at Kingston last year.
Mossrs. Leslie \& Son made a large number of entries in apples, as did also Messrs. Bruce \& Co., of Hamilton, and Wolverton \& Smith of Grimsby.
Pears were shown in considerable numbers and great excellence; a collection of fifty varieties, by
Mesgrs. Leslie \& Son, taking first prize, and a collecMesgrs. Leslie \& Son, taking first prize, and a collec-
tion by Messrs. Bruce \& Co. coming in for a second. A very fine collection of open air grapes shown by Mr. Beadle, of St. Catharines, were awarded a frist premium-Mr. Read, (of Port Dalhousic) taking second rank. Among those shown by the latter gentleman was noticeable a very large bunch of black ILamburg.s, raised in the open air, which took the prize us the best and heariest one bunch black Hamburgh grapes, although they were brought into competition with grapes grown under glass. Mr. Beadle also took first prizes for the best three bunches of black and of coloured grapes.

In hot house grapes very meritorious collections were exhibited by Mr. John Gray, of Toronto, Messrs, Bruce \& Co., of Hamilton, and Leslie \& Son, who all gained prizes in various sections of this fruit.

In the amateur department the most noticeable feature was the display of out-door grapes, which occupied a large portion of the tables set apart for the various fruits. Mr. Kilborn, of Clinton, took the largest fruits. Mr. Kilborn,
number of first prizes.
Mr. Taylor, of St. Catharines, was also very successful. In his collection were to be found a large number of the newest varieties.

The kinds which were exhibited in the greatest perfection were Iona, Allen's Hybrid, Delaware and Adirondac. Pears were not shown in as large quantities as in some former years, but were of fine quality. Apples occupied the largest place on the tables, and were a show in themselves. H. J. Brown, of Niagara, had a fine twenty varieties, which took a first prize. The other entrics of this standard fruit were too numerous to particularize.
Plums were shown in small quantities, and were only of medium merit. This is no doubt attributable to the lateness of the season.
Peaches were in considerable number, and mostly from the Niagara district, which is a favoured locality for the growing of this fruit. In this section Mr. H. J Brown carried off the largest number of first prizes.
Melons were shown in considerable quantity, and
ome of the specimens were of enormous size and good some of the specimens were of enormous size and good quality.
In domestic wines made from the grape, an extraordinary progress was discernable, there being in the several sections of dry, sparkling and sweet wines, no less than 50 entries. For dry wine, Mr. James Brown had the first prize, a distinction which, considering he is only an amateur, and competed with his new-made wines against skilled professionals who showed old wines, does him great credit. The second prize for dry wine was awarded to Mr. Bauer, of Hamilton, who also obtained the first premium for sweet wine. This gentleman's swect winc received the highest enconiums from the Judges, none of the other samples approaching it in quality. He manufactures largely for sale. For sparkling wine Mr. James Taylor, of St. Catharines, took first prize, and Mr. II. Baucr second. The judges reconment that in fatwe lhe prizes for wine should be divided int: two chasece, nansely, professional (or those whe manuffeture for sale) and anateur (or those whe make cnly in a small way.)
The show of Garden Vegetables was on the whole no way behind any previcus onc. IIcre, as heretofore, the exhibition was largely inclebted to W. Burgess, W. Benham, of Guelph; Walls, of Kingston ; Guthrey, of Toronto ; A. W. Taylor, of Hamilton; Baker, and Allen, of Guelph; and other well known exhibitors. There were monstrus heads of cabbage that lind defied the drought, tomatocs in abundance, and in short every variety of garden produce in this class.
The display of Plants in nower was rather meagre, though being arranged in the middle of the centre table they added greatly to the appearance of the place. The paucity of their numbers may be accounted for by the great difficulty experienced in sending them to the exhibition from a distance (all those shown were from the neighborhood of Hamilton) and by the unwillingness of owners to risk removal of valuable plants from the congenial atmosphere of a greenhouse to the chilly and unsuitable air which must needs pertain to any exhibition building at this time of year.

For the best collection of green-house plants in fiower, not less than twelve specimens, Mr. J. Brown, of Hamilton, has first prize, and E. Townsend, do., second prize.

For the best display of plants in flower, distinct from other entries, the above named gentlemen retain the same rank-Mr. R. Rowe, of Hamilton, coming in for a third prize.
The show of cut-flowers was not nearly so large as at former exhibitions, though the past dry season may have had a great deal to do with it. Some very creditable entries were, however, made, amongst the most noticeable of which may be mentioned a collec-
tion of Dahlias_twelve standard Dahlias and twelve Bouquet Dahlias by Geo. Leslie and Son, Toronto nurseries, each entry of which gained a first prize; a collection of Gladioli by J. A. Bruce \& Co., of Hamilton, which were very much admired, and received a first prize; a c₹llection of Asters by M. Flanagan, Kingston; a collection of perennial flowers by Messrs. Leslie \& Son, some of the varieties in which were imported from Great Britain last spring, and which Were of fine form and color; a collection of Hybrid Perpetual Roses by the same ; and a collection of Verbenas by J. W. Sinclair, Hamilton, all of which gained the distinction of a first prize.

## Fruit Growers' Association of Ontario.

The first annual meeting of the above Association; as organized under the new Agricultural Act, was held on Tuesday evening, the 22nd Sept., at the Court House, Hapilton. Contrary to what might have been expected, the attendance was but small, not more than sixty or seventy persons being present. The President, W. H. Mills, Esq., being absent throngh illness, the chair was taken by J. C. Rykert, M. P., Vice-President.
The minutes of the last meeting having been read, D. W. Beadle, Esq., Secretary and Treasurer, stated on behalf of the directors that there had not been time to put the report into presentable slape, as it would consist of returns from the fruit committees, and from a number of gentlemen resident in the various parts of the Province, and who are employed in fruit-growing. A report would, in due time, be prepared, and submitted to the Minister of Agriculture, when it would be given to the public. Four essays, had been sent in on "the cultivation of the apple," and the committee appointed to adjudicate the prizes had awarded the first to the one bearing the motto, "The price of good fruit is cternal vigilance," Mr. W. Beadle, author, and the second to one from the pen of Mr. J. T. Duncan, of Bayfield. At the request of the mecting, Mr. Beadle then read his essay, which was greeted at the closo with appreciative cheering. The Secretary-Treasurer then reported the state of the finances as follows:-

## Balance on hand at last report

Members' fees
\$ 2128
Government grant
35000

Paid stationery and printing
Travelling expenses of Fruit
Committees
$\$ 4378$
$\$ 52828$
$\begin{array}{llll}29 & 25 & 73 & 03\end{array}$
$\$ 45525$
The anuual address of the President was then read by Rev. R. Burnct. It gave an interesting resumé of the history of the Association since its organization in 1859, described its present legal basis and sphere of action, as defined by the New Agricultural Bill, referred to the amount of the Government graut, and urged the desirableness of its being increased, from the numerous ways in which it might be usefully expended, among which the importance of Entomological investigation to abate insect ravages upon fruit was named, and closed by pointing out various directions in which the Association might render itself of signal service in promoting the fruit-growing interest.

The election of officers was then proceeded with. Mr. W. H. Mills was re-appointed President, and Mr. J. C. Rykert was re-appointed Vice-President. Mr. D. W. Beadle was again elected Secretary and Treasurer. The following gentlemen were chosen Di-rectors:-
His Honor Judge Logie, Hamilton, G. Leslie, Toronto, John B. Martin, Cayuga, C. Arnold, Paris, Rev. R. Burnet, Hamilton, A. M. Smith, Grimsby, J Springer, Barton, George Muston, Guelph, W. Saunders, London.
Miscellaneons business was then in order, and a number of practical matters were discussed, the chief among them being the best methods of destroying certain insect depredators, and the necessity of more stringent measures being adopted to prevent robbery of orchards and gardens and spoilation of shade trees. On the latter subject it was resolved that the President and Secretary petition the Dominion Legislature, in the name of the Association, for the insertion of elauses in the ferthcoming Consolidation Act, conferring summary powers on magistrates for the panishment of such offenders. A vote of thanks to T. Swinyard, Esq., General Manager G.W.R., for reduction of tares to members attending the meetings of the Association, closed the proceedings of the evening, and the meeting adjourned.

The next meeting will be held at St. Catharines, on Tuesday, the 13th day of October, 1868, in the Town Hall, commencing at 11 o'clock, a.m., to continue through the day and evening. The Directors will meet on the 14th. By arrangement with the Great Western RailwayCo., members attending the meeting $a^{t}$ St. Catharines will receive a certificate that will enable them to return at one-quarter fare.
In another issue we hope to give, in full, the President's Address, the Prize Essay, by Mr. Beadle, and other interesting documents for which we have not space in the present number.

## Apple Trees Killed by Frost.

Tis the Flitor of Tur Gasaun Finstis:
Sin, According to promise, I now seme you a list in my apple tree losses from the sererity of hast winter. The trees were planted tho geansago last during, ant had done cxceedingly well. Indeed, natd not previously lost a tree.
It will be easily veen which are the temer and "hich the maty varieties. a fen would have dicd from bark sjlititug, lut at the same time they are blighted amblerat. The follewing liat rhows the hinerent varieties that were winter-killed:
ant trees.......I. I. Greming........frost-hilled 4! $1: 10$
110


More than the abore list are damaged; those given are berond weovery, A correspondent in a late
 They have stowl the vorst of all with me, nud a friend remaricel to me a day ago that he had lost cuery one of his ling of 'िomkins Connty apples. older trees of same rarieties have stood better
Last winter was about the coldest linown in this region. The following are the registered degrees at and below zero: Jec. 12th - $5 ; 13 t h-4 ; 11 t h$



 Unly twice at noon did the thermoneter fall below zero. To this extreme coldand sudden great cinnges of temperature do I ascribe the los of a mans on my treces.

I have no dombt, if the trees had been older and more set in their growth, but little damage might have been done. I seo all of the varieties frowing by dhtieren* individuals, from twelve to sixteca year plantel, whiththe damage. There ate nume of king of Tombina Connty of that age gel.

## New Mode of Destroying Wasps.

Wasts have been rather plentiful. I have fur sevaral years adopted a rery simple, but viry effectual, plan of gethug rid of their nets. When 1 hind a nest, I elect the noon of a hot sunny day for my operations. I procurea rery strons solntion of camile of potasinm, and I saturate a piece of lime, about three or four inches square, with the solution. Thus lint I quicily place at the ontlet of the bole deatine to the nest on the ground, in a band, or elsewhece. Nothing moro is requisite. Every wasp that arrives at the thole on its descent alights on the liat. :and. after one or trro gyrations, drops over the edge of the lat into the hole, dead, or else dues upoa the hat-not une escapes. After sitting duwa by the side. watching the operation for about ten or fifteen minutes at most. Ihe number of trasps arriving home becomes very much lessened, and then only a fro odd ones arrive. I then dig out the nest. All are destroyed. Thero is no fuss, no rish of bring s'ung, as every wasp coming home falls on the fatal lint, and has no escape. The evaporation of the esamide is very rapid, and the air all aronnd the hole is tamt ed, and the nospss seem fascinated be it, ns I never seo any turn anoay; they look as if they must setthe, and when once they alight they have n:0 power to raise themseltes, the use of the wings is bone, sum th $y$ are soon dean from the inualation of the eyanide
Tuis is it very simple way of destroying the nest, becausa if you do not wish to take the nest, you may leave the lint there; it will destroy all the nest, anit will do no harm to anything else.
When the nest is in a tree, I generally go in the erening, and hold the lint soabed in the egranide erening, and hold hole the home vanps soon begin to drep oul, first one by one. then in a regular shower. OI course cantion mist bo used to aroid te inhatation of the cyanile, inat as so little is required. it is not rery probablo any acciuent will reult frem the procecding.-Cor. in Jouraal of ilorticulure

## ©

## The Applo Worm.

 cistion of Ontalio.

The: apple crop this year will he a very short one Thas is due in lurgo measure to the depredations of the apphe worm. which is the caterpillar of a pretty lithe mos! nutued " Cerpocapsa pomonella," ant "u sect, alus: har tou familiar to the orchadist in its larva or eaterpilhar watle, though but seldom seen in its perteited comdition. Anything relating to this pest will at this se:a-on be deemed interesting, and while We mas not adrance much that is actually new, it is well where su buch is at stahe to be reminded from time to tiane of feets partially or wholly forgotten.
I beliese all authorities agree that this insect pases the winter in its chrysalis, or inactive state, generally borged in the crevices in the bark of trees, or ias sum other secure retreat. From the midhle to the cud of Juse the moths make their appearance, conceraling themselres during the day, aying only at night. Late in Jume and carly in July, they pair, and soon afrer deposit their eggs. Usually one cge only is athelied to the eya, or blosiom, end of the fruit, but wecasionally they are fastened about the base of the stalk, for 1 have sereral times when cutting into fullen fruit found the worm which had caten into the apple from this point. Mr. Walsh, State Eatomologist for Illinois, has found two in a single apple, one of which entered at the cye, the other at the stem. I found this zear what I believe to be a similar example, thungh ter worms had left. Besides the usual channel from the ege wo the core, there was in this instance another from the stem in the same direction, and there were tro holes through which the castings of the worms had been pushed, one about half an inch from the stem-the other on the side of the frut. In the instance the whole of the seeds had been consumed, and a large portion of the apple.
It. Walsh has alvo found specimens which had beeasttached to the cheek of the apple, and made their entrance from that point, bnt these are all exceptional caces.
In a fow days the ege is hatehed, and the worm at ance begins to burrow into the fruit. makimg its way towardy the core, pushing its casting whichappear like a brownish powder, through the orifice ly which it has entered. When it reaches the centre of the fruit it derours more or less of the seeds, and after a white eats a channel through the side of the apple, at the oritice of which its castings and refuse arc now thrust ont, and through which the cater pillar, whea fall grown, makes its escape.

In about threc or four weeks it comes to maturity, and is then a little more than half an inch long, of a pale reldish or nesh colour, with a small reddish brown. horny looking head, and a patch of the same colo: and appearance on the upper part of the first segment or ring behind the head. There are also a few faint brown luts, and line short hairs on cach ring, but there cun scarcoly he seen withont a magaifying ylas. It has six. houk-like feet. and fire pairs of theshy legs, by which it can readily be distinguished fom the grub of a cuaculio, or any beetle, these
 It also spins a silken thread, by whicl it can lot itseln gently dorm trom any leight.
Ia some instanees tim worm leares the fruit before it has fallen, but in moit asses 1 believe they do not malic their exit until oft $\because$ lhe apple has dropped: it is hos. howerer, then long delased. liere is a matter that slomid lo noted. fire if the apples are to be gathered with a view of destroying the worms, a daily visit almould be mate to the orehated fir this purjuor. fur it is lathor loo t.) gather the fruit after fle qub-hate lift. Che worm ustally linds its way to the uratret thoo, uftentian- to the the from which
 seltrat, it eaveloges itwill it it ihin, whitish, silken cacool.
Within the cocoo: is the chas salis, which is of a reddish brown colour, wath two rows of small spines on cach of the mudule segments, azd one row on the hinder onns. By means of these spines it works its way through the coroon hefore the moth cecapes.

The moth, when its wings are cxpanded, will mea stre nearly thrico quartirs of na inch. Its fore wings are darli grey, streahed acros with brown, with a lates pateh of brown on the end of cach ring, tapering fowards the tip, and haring a horse-
shoe mark of a mutalie or satin lustre in its centio Tha himl whrs are pale reddish brown, with at satinlikolmstre.
There has beron - ome uncertainty amonir Amerid:m
 brootls of this incect daring the summer. In Europe, trom whence the moth is derived, it has long bremberated ad double-brooded, and of hate Mr. WI Eh hatshown that such is the case in this conntry, at leat in his locality, Illinois. Sy own experience leals to a similar conclnsion. 1 have this year yeared the moth carly in Auguat from fuit whered late in July, and have found young specimens of the worm again qui'c late in sugnst. .ll Ihalsh has observed that as a rule the first brood attack ilhe carly apples, white the secont brood intiot chiedy the hater unes.
Wie come now to the practical bearing of these comarks, amd enquire whit remedies have been pro powd and heved t, eleck the ravages of this little neit: Gno method recommended, and which has alrealy been teforred to, is very gool as far as it gae-it is to gather the iallen fruit and destroy the grub by dippiner it in boiling water; or turn pigs into the orelard to eat the fruitas it falls. Hat this does not reach the worms which liad left the fruit beforo it cropped, and there aro doubtless many other specmens that eseape by makiag their exit almost immedintely after the fruit reaches the ground. The remedy proposed to reach these, and which originated with Dr. Trimble, of Nur Jersey, consists of hay ropes wound round the trunlis of the trecs, tro on eacl tree, one two or three feet ligher than the other. This acts as a decor, affording them retiremeat and shelter; they mabe it their hiding place in whelt to spin their cocoons. By carefully examining theer repes every fen duys during the season lang numbers of the culpits may be eccured, in boht vorim and chrysalis state, and their vanks terribly decimated. It is stated that as many as a thousand have been taken in a season, in this manner, from one tree, and where it has been thoroughly trud :hong with the first method referred to, good crops hase invariably resalted. l'ieces of old eloth and various other tabries hare been used in place of the laty ropes with very good results. Complete ex termination can hardly he looked for. since with the best of management a few will probably escape; bu let the nait grower do his duty, and with the help of birds and insects who prey upon these and similar creatures, there need be litile lear of their depredations becoming formidable.
The same insect afiects the pear. and destroys large quantities of this valuable fruit erery year; tho remedies are the same as in the case of the apple.
There is anolha species of grab destructive to the apple, but I am not aware that it has erer get been found in Caunda, athoumh it has proved very trouble some in BIassachusetts, Connecticut and New York Itis called the apple maggot, and is the larra of a tro-winged fy, mamed by Mr. Walsh Trypeta pomo nella. It is very different in appearance and habits from the common apple worm. It is a greenish White, footless grub; there are often six or more in an apple, and they do not burrow into the core, but eat channels through the flesh of tho fruit. Sbould this insect mako its appearance in any part of Canada 1 should like to receive specimens of it.

## IV. SAUNDERS

## Hair Snakes.

Nie haro receirel a rather long commanication from "Zebra," accompanied by a bettle containing a lircly specimen of a parasitic worm commonly called a Har-snake (Gordas Aiguaticus), together wilh an intertrined mass of its thread-like young. As wo have already noticed thes singular animat in the Casab. Fanaer for Jan. 13, 1s6s, page 2s- 10 which wo refer our correspondent-and as our columns are at present much crowled with other matters, we are obliged to dismiss this snliject very brielly, and omit "Zebra's" interesung account of the bion and proceedings of this stranec little family. Flo will tind hus specmens awatary hom at our offec, but if ho does not cate to juacre then himself, wo shond liko to add them (1) cur own collection of alcoholic specimens. Wie mat mention that the specioen we receired from M. . Ar:ohlil lived fun uprards of six months in a buttic. the water being changed at long intervals.
Cecroris Cutfaimant:-J. II.. of North Keppel. lately sent us a sperimura of this fine insect well pack ed in at th box, and wheme of sts appropriato foou - The way in which we liko to receivo all our specimens. He found it on an spple tree, and was nath rally much struc: with its size and beauty; on its way (1) ux it epu:1 up in the boe sum fomed its largo silken cocoon. If will tind a notice of it in our last number. paga 2-s.

## qualtry flard.

## Poultry at the Provincial Exhibition.

Tes arrangements made for the poultry department were far in advance of the accommodation provided at any former Provincial Show, the pens being admirably arranged under a covered shed, enclosed by open battens, with doors at each end and one side. This cnabled the judges to make their examination without being interrupted by visitors. As regards the coops, they would have been better not quite so deep from back to front, and with a step or some means for a proper inspection of the upper tier.

We were glad to see the Dorking classes in the ascendant, some chickens especially of this variety being very fine. Messrs. Peters, Bogue and Rykert had some excellent specimens, and gained prizes.

Polands and Hamburgs were not quite so well represented, and there can be no doubt that some importation of fresh blood from the old country is very necessary. Some fine white chicken Polands were shown by Mr. Bogue, of Londion ; but, unfortunately, being entered in the class for adults, they were excluded from a prize.
In Buff Coohins the absence of the remarkably fine display that graced the last Exhibition in Toronto, and has been quite a feature in the Shows of the Poultry Associntion, was very noticeable. The dis persion of Col. Hassard's birds greatly reduced the Hamilton Show in this class, though some of them in other hands, or the progeny of his stock, made themselves known in the recent Exhibition. Some young birds were shown by Mr. Roach, of Hamilton, and among them the most bcautiful colored pullet we have ever seen. The cockerel shown with her was equally meritorious, and for stock purposes they could not be better matched ; but for exhibition, as the colors did not agree, they had to surrender the first prize to Mr. Rykert, who also oblained the same for adults, all very fine birds. White Cochins were not represented.
In the Light Brahma class there were some handsome pullets. Mr. Rykert had some very good birds of this variety. The Dark Brahmas were not represented at all.

French varieties were not forthcoming.
The Sebright Bantams were few, but good samples, although we should prefer them smaller. All the best birds in this class were shown by W. \& J. Peters, of London. There wers some good chickens of this variety. Other varietics of bantams deaerve no special mention. The black were the best, but deficient.
We were disappointed in the specimens of Game birds, which were far behind those of the last exhibition in Toronto. Exhibitors in this class would do well to be more careful in matching the birds correctly, and seeing that the legs of both birds agree in color, as a want of correspondence in this respect is at once a disqualification.

We now have to mention the Spanish class, which we think a most meritorious one; such hens as those cxhibited by Mr. Hincks (of Toronto), have, we opine, never been seen in Canada before. Some persons even expressed the opinion that their faces were enamelled or painted. It is to be regretted that an accidezt lappened which prevented a pair being shown in the second pen exhibited by that gentleman ; but the single hen was highly commended-and we think the judgesmight have placed a " very "before it. Other exhibitors showed good specimens, but all should in this class take knowledge of what Spanish fowls' faces should be.
Mr. Rykert, (St. Catharines), and Mr. Barnes, (St. Thomas) gained second and third prizes for very fine birds.
Some fowls of doubtful purity were shown in the adult "any variety" class; but in the chickens some good Leghorns were shown by Mr. Rykert, and in the extra some good Dominiques by Mr. Horning, of Waterdown.
All the common Turkeys were good; but the wild were not up to the standard in any way. We hear
that some dissatisfaction manifested itself respecting the amount of the awards in this class. We must say we agree with the awards of the judges, the only approach to the real wlld turkey of Western Canada being in the pen for which the second premium was awarded. The first prize was withbeld. The other pairs in the Wild Turkey class should have been entered in class 20 , when they woxid have been in their righ places. We hope shortly to give the points of the wild Turkey, very carefully prepared by Col. Hassard, with some remarks by that close observer and enthusi astic poultry fancier, on the variations caused by the accidental mixture of wild and domestic birds.
Geese were few but good, especially those shown by Mr. Cullis, of Hamilton, and Mr. Barnes, of St. Thomas.
Aylesbury ducks were below the standard.
The Rouens were very few but very good. Those exhibited by Mr. Peters well deserved the prize awarded for them. Other kinds were also good.
Some Guinea and Pea fowls were shown in fair condition for the time of year, and deserved their awards, but the pens were sadly too small for the large birds.
In pigeons there were few exhibitors, and the specimens deserved no special commendation
We regret to see that tho Rabbits were passed over withoutany premiums. We think this could hardly have been otherwise, as even in the common sorts better marked and sized animals should havebeen exhibited to obtain premiums.
The Judges in this class were Col. Hassard, Messrs. A. M. Howard, Miller, Finch, and Van Ingen, and they evidently acted upon what we believe to be a a new rule ( 39 in the prize list), and abstained from awarding promiums to the best of a bad lot. Granting prizes at all events, cven for most unworthy specimens, because no better were shown, has been too much the custom at Provincial Shows; but when we look at the object of these exhibitions, which is the improvement of stock, \&c., we cannot but think the principle a correct one, and that if specimens wercnot up to the mark they shonld onlybe awarded premiums according to their deserts.
We congratulate the Society on this part of the Exhibition, and we cannot but perceive that the Ontario Poultry Society's efforts to improve the breed of fowls has not been in vain. We hear that Mr. Lamb, one of the largest London exhibitors, was prevented through illness from sending his specimens. Some pens were consequently empty; had they not been this would bave probably surpassed any former Provincial Show. As it is, London, in the persons of Messrs. Peters and Bogne, contributed most largely and meritoriously to the recent Exhibition.

Frear of Nature.-A Turkey, on the farm of Rotherwood, Georgina, was set to hatch eleven eggs, in order to propagate her breed, but she left her charge, and to the surprise and great interest of the family, as well as people in the neighbourhood, a tarkey cock was seen to take possession of the nest and eggs; he sat constantly on the eggs till be hatched six poults, which be tends with parental pride.

The 解ousetiota.

- The three best medicines in the world are warmth, abstinence and repose.
A Bright Idea.- When Jemima went to school, she was asked why the noun "bachelor" was singular? "Because," she replied, "it is so very singular that they don't get married."-American Paper.
Preservation of Leatreen-A contributor to the Shoe and Leather Reporter gives some valuable hints in relation to the preservation of leather. The extreme heat to which most men and women expose boots and shoes during winter deprives leather of its vitality, rendering it liable to break and crack. Patent leather particularly is often destroyed in this manner. When leather becomes so warm as to give off the smell of leather, it is singed. Next to the singeing caused by firc heat, is the heat and dampness caused by the covering of India rubber. India rubber shoes destroy the life of leather. The practice of washing harness in warm water and with soap is very damaging. If a coat of oil is put on immediately after washing the damage is repaired. No harness 3 ever so soiled that a damp sponge will not remove the dirt; but, even when the sponge is applied, it is
useful to add a slight coat of oil by the use of another sponge. All varnishes and all blncking containing the properties of varnish should be avoided Ignorant and indolent hostlers are apt to use such substances on their harness as will give the most immediate
effect, and thesc, as a general thing, are most des tructive to the leather. When harness loses its lustre and turns brown, which almost any leather will do after long exposure to the air, the harness should be given a new coat of grain black. Defore using this grain black, the grain surface sho'ild be thoroughly washed with potash water until all the grease is killed, and after the application of the grain black, oil and tallow should be applied to the surface. This will not only "fasten" the colour, but make the leather flexible. Harness which is grained can be cleaned with kerosene or spirits of turpentine, and no harm will result if the parts affected are washed and oiled immediately afterward. Shoe leather is generally abused. Persons know nothing or care less about the kind of material used than they do about the polish produced. Vitriol blacking is used until every particle of the oil in the leather is destroyed. To remedy this abuse the leather should be washed once a month with warm water, and when about half dry, a coat of oil and tallow should be applied, and the boots set aside for a day or two This will renew the elasticity and life in the leather, and when thus used upper leather will seldom crack or break. When oil is applied to belting dry it does not spread uniformly, and does not incorporate itself with the fibre as when partly damped with water The best way to oil a belt is to take it from the pulleys and immerse it in warm solution of tallow and oil. After allowing it to remain a few moments the belt should be immersed in water heated to one hundred degrees, and instantly removed. This will drive the oil and tallow all in, and at the same time properly temper the learher.
Rats.-Rats originally came from Norway, and I wish they had originally staid there.
They are about as uncalled for as a pain in the mall of the back
They can be domesticated dredful easy, that is az far as getling in cupboards and eating cheese and knawing pie is concerned.
The best way to domestikate them that $I$ ever saw is to surround them gently with a steel trap; you can reason with them to great advantage.
Rats are migratious-they migrate whenever they have a mind to.
Pizen is also good for rats-it softens their moral nature.
Cats hate rats, and rats hate cats, and-who don't?
I suppose there is between fifty and sixty millions of rats in America, but I quote entirely from memory -and I don't suppose there is a single necessary rat in the whole lot. This shows at a glance how many waste rats there iz.
Rats enhance in numbers faster than shoe pegs do by machinery. One pair of lealthy rats is all that any man wants to start the rat buisness with, and in ninety dais, without any outlay, he will begin tew have rats-tew turn oph.-Josh Billings.


## gextry.

$\qquad$

After the shower, the tranquil sun After the snow, the emerald leaves, Silver stars when the day is done; After the harvest, golden sheare
After the knell, the wedding bells;
Afer the bud, the radiant rose;
Joyful greetings, from sad farewells-
After our weeping, sweet repose.
After the burden, the blissful meed; After the tlight, the downy nest; After the furrow, the waking seed
After tho shadowy river-rest

## Katy did.

Throughout the night I hear the cry go up toward the stars And the answer, in denial, seems to beat against the bars That lie across the gates of pearl, as surf beats on the shore,

For thongh full oft the Katy-did its bold assertion made, And still the prompt denial rang throughout the willow giade, And, half forgetful of the hours, I linger late and long

But who has known what Katy did? and when was it all done? How long will the contention last? When was it first begun?
When David watched his father's flocks, upon the verdurous I wonder if

Or when adown the sacred Nile swept Cleopatra's barge
Wonder if the Katy's cry rose from the Lotos marge,
Was Cheops, as his eye surveyed the mighty Pyramid,
Since Clio's page no record shows-since Thalia's lips are sealed--
it searce can matter to us now though it were all revealed.
Oh, Katy I whether true or false, there's one thing that I know

## ghtistrumbous．

Tue Nem Jondoy Dow Law．－． 1 gooll anechote relative to Sir Richard Mayne＇s law of mazalug doye is in circulation althe clubs．An onlecruf the Guards went out the olher day with a farourite dog with a muzzle fastened on his tail．IIe had not gone far before lie was accosted by a policeman，who told him that as lis dog was mmuzzled le should take it up and detain it．This the onlecer in question dened him and detain it．This the onlieer in question dented him，
to do，maint．ining that as his dur had a muzzo on hi． tall he hat complied with Sir hichard Mayne＇s order． bucause it was not stated where the muzale was．to be placed on the dor．Thes so fainly bafled＂the intelligent policeman＇；that he at once gare way，and let the Guardsman depart in peace with his fiithfu！ companion．
tine womid．
－It＇s a very good world to lire in，－
rolend，to spend，or to give in ；
But to beg，or to borrow，or recover one＇s own，
It＇s the rery worsi world that erer was known．＂
So come cymeal individual bas written．It may buc true，but it is also trace that this is the best worlic as yet known by us．It is barely possible that the cya－ ical sonls may go further and fire vorse．Iect os hope not．Ex．

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Paxton，Tate \＆Co．，Port Perry，Ont．，

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## MARSH HARTESTER！

 Acricutudrat mpligments of all ELNDS， OSCIH．EATING MOLEEE SAVS， TEERHNE WATER BMCEYS， mini，CaStings，etc．，etc．
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## FIUTE AND ORNAHENTAL TREES

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## FALI PLANTING．

## TORONTO NURSERIES．

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In HAITFAX，on the FIFIH day of OOTOBER

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H．Auction
FOR SALE，THE THREE－YEAR OLD DURFAM BULL，




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 JWNEPI MIVIDSON，PRRMDPM．
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THE BLEST SIIFEP MAKK YET IAYENTED．
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THe american entomolocist，olited by Benj．D．Walbh and C．V．Rilet，State Entomologists respectively of minois and Missouri，and copionaly illustrated，treats of all kinds of Noxioas and Beneficial Insects．It will be found invaluable to every Farmer，Gardener，and Fruit－grower，and to every one taking an interest in the fascinating study of Entemology．Terms，$\$ 1.00$ per annum．The first number will appear September 1st．Saniphe copics and prospectus sent on application．Send in your subscriptions to
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## TiE FALL BAMPATAN of monerep

Yorker，the Leading and Largest－Circulating Rural，Lifrir Ary and Fawily Newspaper，begius a Quarter Oct．Binal and
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 1 trial，is pronounced the most wonderfully quick method ver discovered to mako any unirained horso or coll trot ras without the use of a track．One boy mado 8900 on two common colts ；\＄1，200
P．n．－＂We recommend every farmer＇s immediate attention to this cinsular．＂J．W．Forman，Troy Minls，IIwa；O．J．Brazee， sleove，Ansterlitz，N．Y．；Russel Tremain，Postmaster．Green River，$N$ ．Y．，and a hundred others

## TO INTENDING BEE－KEEPERS，

## A few Stocks of Dees，this year＇s increase of the

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Rev．W．F CLARKE

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& \text { Rev. W. F CLARKE, } \\
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v5－19．
RAMS．
Moreton Lodge，Gnelph，Ontario．
anNual sale of pure－bred stock．
MI W．S．G．KNOWLES，begs to announce，that he has to Bon receival Auction，on Tharslay，the isth day of October，1868， to sou by Auction，
at Morcton Lodge，

30 GRAND COTSWOLD RAMS．
10 SPLENDID SOUTH－DOWN RAMS．
At whieh time will also bs offered，
30 Farions Cotawold and South－Down Ewee，and about 25 Im － proved Berをahire Pigs，Boars and sows，principally bred from：
importations in Oct．last．Sale locomnence at 1 p．m．，prompt． Moroton Lodge，Guelph，Oct．1，186s．

## SHORT HORN BULL，

or the＂dechess＂＇tribe，

## ت○凡 SA工正。

9TH DUKE OF THORNDALE．
R OAN，bred by famuol Thorne Calved August 20th， 1864. Ru Got by eth Duke of Thorndale，4752，（see note），－out of bth Tborndale，by imported Duke of Gloster，（11382）－Duchess 661 c by 4tL．Duke of York（ 10167 ）－－Iuchess 55 th by th Duke of Nor－
 by Belvedere（1706）－Ducluess $19 \mathrm{~h}_{1}$ ly 2 d Il 1 bbback （ 1423 ）－Duchess 12 hi by The Earl（646）－Duchess 4 th by Ketton 21 （ 710 ）－Duchess 18 t by Comet（155）by Favourite（252）－by Daisy Bull（186）－by Favourite（ 252 ）－by lubback（319）－ly J．Brown＇s led Bull（ 97 ）．
Norn．－6th Duke of Thorndale，4752－bred by Mr．Thorne，and sold for $\$ 5.000$ ．Got by $3 d$ Iruke of Thorndalo（ 17749 ）－out of 4 th Ducheest of Thorudalo by 2d Grand Duke（12961）－D）Ducbese（－）
by Duke of Gloster（11382）－Duchess 68 th by 4th Duke of York by Doke or Gloster（11382）－Duchess 68th by 4th Duke of York
（10167）$\rightarrow$ Duchess 55th by 4th Duke of Northumberiand（3649）－ （10167）－Duchess $65 t h$ by 4th Duke of Northumberiand（ 3649 ）－ Duchess 19th by Zand Hubback（1423）－Duchess 12th Wy The Earl （646）－Duckees sth by betton 2 d （ 710 ）－Duchess 1st by Comet （165）etc．，as above．
9th Duke is in the best condition，a very quick server－perfectly sure getter－his dam is from the same cow that dropped lith Duke of Thordale，now the property of M．H．Cochranc，Esq．，－will be sold low for want of use．For particulars address

H．G．WHite，
＊K．19－1t．
MoUTr Franomgarax，
Middlesex County，Mass．＇

## warkets．

## Toronto difricti．

Camada＂Fasmiz＂Offce，Sop．30th， 1868.
The Produce Market during the past fortnight has continned quict；except in barley there has been uttle doing．The barley market bas been very irregular，rising and falling in sympathy with Oswego．

## motr and meal

Mour．－The market has been unusually quiet；very fow lots have been offering，and there has been little or no desire to buy． Some buyors will not give over $\$ 540$ ；holders reluse to sell at any thing less than $\$ 550$ ．In the higher grades of flour there has
beon a few lots selling；a few 100 bbl lots of extra sold at $\$ 6$ b0 beon a few lots selling；a few 100 bbl lots of extra sold at $\$ 6 \mathbf{6 0} ;$
and of superior at $\$ 7$ ．Fall wheat flour ts scarce and finds ready beon a
and of
sale．
Oat
Oatmeal－Selling in small lots＇at $\$ 60$
Cornmeal．－Only a small trade dolng；prices range from of to 40.

Bran．－Selling at 816 per ton．

## aratr．

Wheat－The market has been decidedly dull since our last report No sales of any importance have taken place．Spring wheat has
bo：n offering rathe＂more freely，but the demand is so limited tha no sales take place．Holders ask $\$ 118$ to $\$ 120$ for spring，in car or cargo lots，but there are no buyers except in a few cascs at over 8115 to $\$ 1$ 16．The demand is only from local millers，who will only buy sufficient to supply the wants of local consumption．Fall Wheat is in better demand，and sells readily in car lots at $\$ 135$
aid $\$ 136$ ．Vory few lots of Fall are offering．The street market and $\$ 136$ ．Vory few lots of Fall are offering．The street market
is veginning to be fairly supplied．The following are the street is beginning to be fairly supplied．The following are the street
priceg which have veen paid．Spring，$\$ 1.15$ to $\$ 1 \mathbf{1 6}$ ．Fall white， $\$ 150$ to $\$ 135$ ．
Oats－Th3 market has been Arm．Car lots offering eold freely a 1c．on the track．On the street market 62c．was treely paid for

Barley－The inarket since our last review has been verv irregular drancing and declining alternately in sympathy with Oswego ＇rices are，however，now fully 8c．to 10c．higher than thoy were week ago．Yesterday the market took a start and advanced 6c Car and cargo lots were to－day selling ireely at $\$ 1$ 18．The sale －day wero 5,000 bushels at $\$ 118 \mathrm{f}$ ．o．b．， 3,000 bushels at $\$ 117$ f．o．b．；two cars at $\$ 118$ f．o．b．； $\mathbf{7 , 0 0 0}$ bushels in car lots at $\$ 118$
f．o．b．The market closes very frm at $\$ 118$ f．o．b．Un the street market thero was a fair business doing．The roceipts，how ever，do not come up to What is usual at this thimo of year．Darin farmers，and the average receipts from farmers would not amoun to over 18,000 or 20,000 bushels per day．Prices on the street kept steadier than on＇Change．To－day $\$ 17$ to $\$ 118$ was the price paid for ordinary samples．A fow choice samples brought as
high as $\$ 1191 / 2$ ． ale transactions reported．On the street market 91 cents was the price．
Rye．
buyers－only a few loads coming in from farmo，$s^{\prime}$ waggons． Buyers are paying 80 cents on the street market
hay and straw．
The market has been fairly supplied．Hay has been selling a romis $\$ 12$ to $\$ 15$ ，and straw at from $\$ 7$ to $\$ 10$ ．

## provisions．

The market has been very dull．Butter and checse are the onl articles in which there is any animation．
Butter－The shipping demand is stemdy，without any change in price．Round lots aro selling at from 20c to 21c．Dairy，in
shipying lots，would bring 22 c ．Fery few lots offering on the mar ket；pound tolls bring from 22c．to 250 ．
Fggs．－Wery few coming in；selling only in a retail way，from 12 cc 1015 c ．
Checse－Hoid armly at from 12c．to 13c．
Dressed Hoys－Keceipts are now considerable；selling at from Dressed 1 ogss－keceipts are now
$\$ 650$ to $\$ 725$ ．
Pacon－Very litte in the except in a small way
Salt－Liverpool has been in good demand．Lots are now worth from 55 c ．te 90 c ．on the whart．American，in barrel，sells at $\$ 160$ on the wharf．
Wool－Unchauged．Selling in small lots at from 20 c ．to $2 \pi \mathrm{c}$ IIop－－There is a fair supply offering．We quote－New，from good to exira，per 1 b ．， 20 c ．to 25 c ；fair to good，do． 15 c ，to 20 c ． o．d， 10 c ．to 15 c ．
buyers at $\$ 8$ to $\$ 10$ per 100 los
the cattle maregt．
Beeves－The market has been well gupplied with all kinds of catlle for there has been a hair loj mand，especialy for irst－class $\$ 0$ to $\$ 050 ; 2$ nd do．，$\$ 5$ to $\$ 550$ ；3rd do．，$\$ 4$ to $\$ 450$
Sheep－Have also been offering freely，and met with a ready sale at the following flgures：1st class，$\$ 4$ to $\$ 450$ each； 2 nd do $\$ 3$ to $\$ 350$ ； 3 rd do．，$\% 2$ to $\$ 20$.
Lambs－There has been a fair supply on the market，and the de the following prices：1st class $\$ 260$ ； 2 nered found ready sale a Calucs－scarce，and not much enquired for；worth from so Lire Hogs－Several lots have been offering，principally from the west．Prices ranged from 6 c ．to 6 c ．per lb ．
Hides and Sxins，per lb．－Hides，grcen，reugh，per lb．，bie do．green，inspected， 7 c ；do．cured and inspected，7tc．to 8 tc Calfokins，green， 10 ．；cured， 12 c ．；dry， 18 c ．to 20 c ．Lambekim Calfskins，green，10e．；cured，12c．；dr
green， 45 c ．to 50 c ．Shcepskins， 60 c ．

Lomion Maricety，Sept．29．－Red Fall Wheat per bushel， 8110 118 ．barley 91 to 915. butter in rolls， 23 c ．to 24 c ．；do．in tubs or crocks， 180 ．to 20 c ．； lard jeer lb． 10 c ．to 12 t c ．
Galt Markcts．Sept．29．－The market is busy．No change in heat，but tending downwauds；considerable quantities coming ．Bality pour．Eggs， 12 c to 13 c very good supply coming in bu If late， 20 c ．to 23 c ．Potatoes， 750 ．to 90 c per bush．Peas and osts scarce．Oats， 43 ․ to 52 c ．Peas， 900 ．t， 95 c ．Hay，$\$ 11$ ．
Guolph Markets，Sept．29．－Fall Wheut，$\$ 120$ to $\$ 126$ ； spring wheat，$\$ 110$ to $\$ 114$ ；oats， 50 ．ts 555 c．；peas， 88 c ．to 90 c ； barley，$\$ 100$ to $\$ 112$ ；wool， 26 c ．；hides per 100 lbs ，\＄0；beef，do．
77 to 88 pork，per $100 \mathrm{lbs.}$,00 c ．straw per load，$\$ 3$ ；hay per ton， 7 to $\$ 8 ;$ pork，per $100 \mathrm{lbs} ., 00 \mathrm{c}$ ．straw per load， 3 ；hay per ton，
10 to $\$ 11$ ；eggs，per dozan， 12 c ．to 13 e. ；butter，per 1 b .20 c ．to 22c．；apples，per bushel，00c．；potatoes，per bag，$\$ 115$ to $\$ 150$
eep skins，46．to 50 c
New Iork Produce Market－Four－Heavy，10c．to 15 c awer－receipts， 17,000 barrels and 024 bags；saloe， 8,700 barrels，
at 30 to $\$ 715$ for superfine state and Feetern； 87 tc at $\$ 630$ to $\$ 715$ for superfine state and Weetern； 77 b5 tc mon to choice extra western．Rye Flour－quict，at or 25 to $\$ 10$ ．Wheat－2c．to 3c．luwer；recaipts， 55,800 bushels；sales 45,000 bushels at $\$ 155$ No． 3 spring．Nye－quiet．Corn－A hout c．lower；receipts， 46,000 bushols；sales， 78,000 brishals at
 estern．Barcy－scarce and fwa；receipts， 9,400 unshols．Oats 72 le．to 73 c ．for now western．Pork－ to $\$ 2862$ for new mess；$\$ 2837$ to $\$ 2870$ for old mess．Lard－ Heary and drooping at 184c．to 191c．for steam；12fc．to 1Jic． or kettle rendered．

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Thi Camada Fariger is printed and published on the list and Printing House， 28 and 23 King Street East，Toronto，Ontario， where all communications tor the paper must be addressed．
AT－Subscription Prico $\$ 1$ perannum，（Postage Frek，）payable in advance．Bound volumes for 1864，1865，1866 and 1867，may be had for $\$ 130$ each．Subscribers may either begill with No， 1 of the present Volume，or with the first No．of any preceding volume． No subscriptions received for less than a year，and all commence with the first number for the respective years．

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