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Postage Free.
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## 

## CANADIAN products and the paris ExHBITION.

We hive received from the "Commission Imperiale de l'Eaposiiaon Universelle" in Paris all the documents which have emmated from that Commission, and as Canada ought to be well represented in France at the great gathering of the industrial world, and as it behoves our agriculturists to be well informed in respect to the classification and arrangements of the proposed exhibition, we shall from time to time, publish such documents as will keep the Canadian Farmer fully iuformed upon the sulbject.
The principle of elassification, adopted by the Imperial Commission, has been to group together not only all the products offered, but also the substances from which the pro. ducts are obtained, the implements or instrumons by which they are elaborated and procured, and the theory upon which the greatest results may be attained at the smallest expenditure of time and money. By taking this enlarged and comprehensive course, the greatest possible service will be rendered to the industrial arts, and in order that this serrice may be diflised as widely as possible, the Imperial Commission invites, and the Canadian Commission las re-echoed the sugges-f tion, that deseriptive accounts should be given, whenerer it can be done with adrantage, of all improved processes, and that such deseriptions should be printed in various languages, for the benefit of all nations, who will proft by the discoveries and improrements made.

Fully conscious of the importance of pro-Industrial Exhibition of 1855, as an event viding ample supplies of labor for the immense of great importance to the people of these and fertile territories of the two Canadas, provinces, and es cially to our agriculturists, the Canadan Commission liave deemed it who may feef the adrautages itw ill bring desirable to disseminate throughout Europe, in the introduction of new implements and information upon the industrial condition and modes of cultivation, and more labor and capabilities of the provinces, and have capital. And we earnesty hope the agrioffered for public competition three prizes of calturists of Canada will respond heartily to $£ 160, \pm 60$ and $£ 40$, for the three best Essays jresented to the Cominission, on the subject of Canada, and its resonrces, its geological structure,geograplical features, natural produce, manfactures, commerce, social, educational and political institutions, and general statistics.
Athough the time for preparing and sending in these Essays is smmewhat short, inasmuch as they have to be forwarded to he Committee by the 15th February next we feel assured the competition will be active, and the result serviceable to the country. If the Camadian Commission will follow the plan of the Trench Timperial Commission, and have the Prize Essays printed in dillerent European dialects, and circulated in Prance, Germany, Denmark, Sweden, Belgium and Holiand, as well as in the United Kinglom, a large emigration will probably be the result. The introduction of new races of men is calculated to improve by intermixture the plysical condition of existing races, and as they bring with them the arts, and industrial knowledge of other lands, they improve at once the mental, physical and educational condition of the people, besides furnishing the supply of labor which the country so much needs.

For these various reasons we regard the
the demands urged upon them by the Canadian Cominission, and that this fine country will be well and worthiby represented at the Universal Exhibition of 1855.

SYSTEM OF CLASSIFICATION FOR THE FRENCH EXHIDTLON.
We give below for the information of our Farmers an outline of the system of classification proposed by the Imperial Commission in the Department of Agriculture. It will serve to explain the arrangement intended for the articles to be exliibited, and will show the careful and elaborate manner in which the International Juries will have to examine and form their conclusions, and the ample means which will be afforded to the agricultural exhubitor of presenting to the world the results of his study, labor, and expenditure.

## Class 3.-Agriculture.

## 1st. Section.-Statistical Dociments and Specimens.

Charts of the Theory of Agriculture.
Plaus for laying out Estates.
Specimens of Soils and of Sub-soils.
Specinens of Manure.
Chalk, Land-shells, Sea-shells, \&c.
Lime, Plaster, Polters Clay, Cinders and Ashes.

Phosplate of Lime, Boncs, Animal Remains, \&c.
Marine Plants decomposed, Terrestrial do.
Guano, Powdered Feces, Farm Manure and Street Sweepings.
Lifuid Manures of various kinds.
and. Section.-Progress of IIusbandivy.
Drainge.-General plans and modes of drainage.
Inrigation.-Gencral plans and modes of operation.
Buiddings.-Plans for dwelling-honses.
Juildings for Stock.-Plans of stables, oxstalls, cow-houses, piggeries, sheepfolds, \&c.
Buildings for Farm Produce. - Barns, granges, lofts and out-lionses.
Special Juuildings,--Dairy, cheese-rooms, dyying and smoking rooms, ovens, \&c.
Wells, Pumps, Ponds, and Reservoirs.
Gates, Doors, Barriers, Pens and Folds.
3re Section.-Agricultural Implements.
Ploughs, Haryows, Rollers, \&c.
Spuiles, Hoes, Rakes, and all Tools user for preparing and pulverizing soils.
Inplenents employed in' pruaing plantations, collecting seeds and distributing manure.
Implements used for collecting crops.
Scythes, Sickles, Knives, Reapiughooks, Rakes, Torks, ©c.
Machines for mowing, reaping, Ece.
Tmplements for preparing produce for sale to the consmuer.

Flails, Thueshing Maclines, Pollers; Winnowing Fans, © C.
Sumw Cutters, Root Cutters, \&e. Presses, Seed Crushers, Se.
Moveable Granaries, Portable Mills, \&c.
For Trausporting Produce. Barrows, Thrueks, Baskets, \&c. Carriages, Carts, Waggous, Sleighs, \&c.
Marges, Moats, Rafis, Canoes, Sc.
Motive Powers to Agricultural Tmplements. -Stem and Anmal Power.
Specimens of Furviture Fittings and Uten-
. sils best adipted to farm-houses. Best system of fitting op farm-houses, stables and buiddings for stock. Do. Dairies, Cheese-rooms, \&e: Do. of preserving food for home consimption and for stock. Do. of preserving fruits and llowers.
4th. Section.-Produce of Gencral Cultivation.
Grains.- Whieats of every varicty, Barley, Oats, Rye, Maize, Buckwheat, Rice, Millet, © EC.
Oleagenous Products.-Rape, Sunfower, Poppy, and its rarictics.
Vegetables and Plants of which the roots or leaves or seeds are used as food. Farinaceous.-13eans, Peas, Lentils, \&e.

Tubers.-Potateses, Sweet Potatoes, fresult of our united observation, to affor ${ }^{\frac{\pi}{3}}$ Artichokes, \&c.
Roots-Carrots, Parsnips, Turmips, Beets, Madishes, \&e.
Bulbs.-Onion, Garlic, ©ce.
Herbs.-Parsley, Time, Mint, Sage, Femnel, \&c.
Salads.-Lettice, Endive, \&ce.
Other Vegetables.-Cabbage,Spinach, Asparagus, \&c.
Champignions, Mushroous, Trufles, \&c.
Cucumbers, Pumpkins, Vegetable Marrows, Melons, de.
Colouring Vegetables. - Madder Tndigo: Saffion, Sumach Woad, Carthamum, \&c.
Textile Plants.-Flax, Cotton, \&ic.
Plants for Use.-TMobacco, \&.c.
Grass.-Prairic and Meadow Grass, Lueerne, Trefoil, Sanfoin, Spurry, dice.
5th. Section.- Produce of Spccial Culttivation.
Cultivation of Trees and Plants.
Best modes of cultivation and reproduction.
Planting, Grafting, Sowing, ©c.
Produce of Trees.
Farinaceous.-Chesnuts, Acorns, ©e. Oleageneous,-Olives,and various nuts. Fruits employed in the preparation of Fermented Drinks, Apples, Pears, © $c$.
Best moles of cultivating Trees for ornament, and for dividing land.
Do. Flowers indigeneous and exotic.
Dessays on the acclimating and introduction of 'I'rees, Plants, Vegetables and Flowers.
Gth. Section.-Recring of Stock.
The breeding and rearing of animals, then manures, and the employment of skins, horns, hoofs, hair, wool, blood, \&c.
The rearing and mangement of poultry, the use of feathers, quills, \&cc.
The vearing of insects, the bee, the sillswem, the cochineal, tioc.
7ih. Section.-Industrial Arts connectcel vith Agricullure.
The management of the dairy and cheeseroom.
The uses and collection of the textile products of animals, wool, hair, \&c.
The preservation and preparation of grain.
The construction of mills, distilleries, oitworks, de.

## Famming in france.

It will be interesting at this present time to our farmers to know as much as they can of the state of farming in France. We travered the country in 1853, ad ind We tractsed the coutry in 18:n, and wintie in the straw-gard as among the poultry. describe what we remember of the then state From the number of men boarded in the of agriculture. A correspondent of the house, and the female servants being few in North Britisl Agriculturist visited France number, the farmer's wife has her hands full. in 1854 , and we hope to be enabled as the " Still sle never appears to overlook the
toilet, and in dress and in manner is always (Unee dogs to keep them from tresspassing, Truits are also grown for sale, but not to essentially the well bred womar."

Onc man to 25 acres of lame is the usual compliment of labor on a Trench farm. Ploughmen are generally boarded in the house, sleeping over the stables. 'Jthey marry early, and the laborers are frequently married men, the wives living away from the farm in the village, and the lusband returniug from his labor every Saturbiy evening. The ploughoman's wages with board range from 200 to 300 francs, or $E S$ to $£ 12$ sterling, a year. The women are employed in attending to stock, weeding and clearing land, and during harvest they earn from did to 6 d a day, aud the men on day work from 10 d to 1 Sd during the winter, and from is to 1 sed per day during stumer, but the latter wages are considered high, and are seldom given except during harvest, and to the best lands. The ligh price and inereasing scarcity of wood for fiel, is severely felt by the rural population, except in the neighbourhood of Mons, Namur and Liege; where coal supplies the place of wood for fuel. As a general rule the necessavies of life are cheap, but during the present year bread has risen high, and but for the bountiful harvest and the care of the govermment to prevent monopoly, the price of bread would be higher still.

IJhe breeds of cows kept are eljelly crosses of the Flemish and Norman.

The proportion of sheep kept seldom exceeds one sliepp for the acre of cultivated haid, and as upon small holdings no sheep are kept, the numbers do not reach one sheep for each acre of laud. The system is to breed, selling of the older sheep, the lambs taking their place.

Thie system of cultiration is of a primitive kind, a plain fallow, a green erop being followed by two cercal erops, wheat being taken after the fallow or green crops, followed by oats. The wheat crops average from 18 to 23 bushols per acre. But the produce this year will be considerably above this average. Oats average 40 bushels per a P Pro por on. Rye also gives good crops, but dacing good cider. Apple trecs occasionbarley is seldom productive. Part of the ally line the sides of the roads; the public elover and tares is cut for sule in the cities, highways being generally lined with trees, part used for the stock and for the folded of which the apple and elm are the most sheep. The horses and cows and part of common. Ciiler and the wine of the disthe sheep and tups are conlined to the stalls triet are obtained at very low rates, and are and pens summer and winter. If the sheep used during harvest operations by the rural are turned out during the day in summer laborers. Hemp is also grown on small they are attended by a shepherd and two or holdings in the deep allurial damp soils.
the lants are generally open and uniuclosed, and the lyox eyed dog is unen then if the保 attempt to stray. The shepherd stays night but the rade is not extending rapidtyand day with the llock, in a small col con-shoep being preferred to pigs. The chief structed of wood and mounted on wheels. production is grain, wheat, and oats, and in This cot is moved with the fold, and isfertain districts beet is cultivated for being phaced beside it at night to prevent the manufactured into sugar and branly.
heep from being stolcu, sheep stealing being Fow catte me reared or fattened, sheep a not uncomnon crime. The sheep are forming the prineipal stock. The pigs are mostly crosses, the best being from the fong legged spare animals. The proultry are Spanish Mcrino tup, widh native breeds of remarkably lime and kept in large numbers, sheep. A good many Teeicesters have been and pigeons are more numerous in the of late introduced, but in general they are French farm-yard than in any comutry we leggy large framed animals and do not lay on know of. Some horses are reared for the flesh fast. In winter the sheep are altogether|sodde or harness and fetch good prices. housed and fed on lucerne and sainfoin hay, The English or Arabian sire with the Norand bedded with oat straw, part of which man or Flemish mare being preferred.
they eat. The horses and cows also ent a good deal of struw. 'lurnips are litte given, but sometimes beet is allowed to the sheep and stall cattle.
Corn is usually cut with the scythe or the sape"-a Belgian implement introduced by the Belgian reapers; who go into France in great numbers during larvest. It appears to be usel like the "bagging hook" in England. The Jetgian reapers, seldom carn more than about 80 francs, or fell sterling, duriug the harvest, but they are
nevertheless decently clothed and respecta-
ble-looking men. 'l'le grain is stacked in
the fields, partly from apprehension of in-
eendiarism. The grain is allowed to become dead ripe before it is cut. Thrasingmachines of a simple construction are used with horses. Farm ludelings are generally large and commodious, built of stone, with slate or tile roofing, or thatched roofs. The
farm horses and other live stock are very
healthy, which the writer attributes to the height and good ventilation of the buildings. The vine is cultivated in the lower valeys, but the wine is sour and inferior; the
durature not being high enongh for pro-
ducing wine of even ordinary quality. The district is chiefly a cider one, which is also Is very indifierent; calcarcous soils not prout duaing grood cider. Apple trees occasionurual in that town,-he removed thence o Loomon, and afterwarls to Liverpool, where for many years he conducted with narked ability a leading newspaper. He came to this country about ten years ago, and was editor and proprictor of the Montreal Gazetie, and afterwards edited the "Transeript" displaying great ability in the conduct of both journals. Mr, Alura-
ham edited die Fermer's Jommat, and lined witha substance like hard carthenware. delightiful ansercourse of which the poet his nane and memory will be associated Something of this sort takes place in the in- sings. Aod we beliere this to be an ohject in the minls of our readers with many side of the bladders and fibres of a leaf; as worthy of cyiture and care, as were the an admirable contribution: to its pages. they are at first quite clean, but by degrees glowing fruits and godien grain of the orehA few years ago, Mr . Abrakam gualified for soy are furred till their sides are rentered ard and the helds. licse will sustan our the profession of the Law in Montreal, and can no longer pass through them very read- imnortal part, by giving elasticity and connothing can shew the wonderful versatility of his talents more, than the facility with whech he mastered the details of his new profession. About two years ago, his general health began to fail. ; Mis mental powers had been orertasked, and symptoms of softening of the brain, and tlireatenings of paralysis appeared, to warn him that the time appointed for all men was fast coming to him. He died on the evening of Priday, Nov. 10th, leaying a widow but no children. He was a man of genial habits, enlarged heart, and kindly feelings, and is muel regretted by those who knew lim best.

THE FALL OF THE LEAF.
The fall of the leaf is a most curious circircumstance, and has puzzled many a wise philosopher. It cannot be merely because of the cold to which the leaf is exposed ; for when a frost in June blackens our liedgerows and desolates our gardens, the leases do not fall off, they only wither and die. It may be because of the arrical of old age, but this is a phrase which explains nothing. One would naturahy ask, moreover, why some leaves remain on the tree the whole winter, thuugh others fall so enrly. 'T'o understand these thing we must hirst learn what the leaf is, and how it is joined to the branch. A leaf is the thin part of the outer layer of bark, pushed outwards and stifiened by tougl fibres, which pass into it from the wood and from its veins. By these means, a simple and very curious apparates is constructed; the green or lark part of which, consisting of small bladders, acts as stomach 10 digest with and lungs to breathe with, white the fibres convey food and air from thie branch into the stomach and lungs. Now when the leal is linst formed, its bladders and filires have very thin sides, and whatever is introduced into them is readily returned again; and if what they reccive was quite pure, it is not improbable that they would go on recciving and returning for a long time. But. the fluids of plants are not watery; on the contrary, they contain a great deal of earth and other matters which they deposit every tine they pass over the surface. We know that when a kette first comes home from the irommonger its inside is bright and clean, but as soon as we have boiled any water in it, the inside becomes a little furred, and when it has been thus used a great many times it becousearth; his cattle come to their winter home more rigorous months. No house can be very much encrusted, till at last it is quite very much encerusted, till at last it is quite pcheerful fireside attractions invite to that and the wind sweeps under the floors. Fioofs
should be made tight, and the barn close, where the animals stimd.

Cattle and hoors should be fatted mpidly Upon the subject of winter management now, both haring dry and warm beds, and fed liberally.
toes, de., through the winter-Prof. Mapes gar, are the sources of heat. He thinks fonots and beets must be gatisered be-said that he always prefers cold frames to that a horse not worked will keep better on fore heavy frosts-turnjps may remain later. hot beds; the cold frame plants are harder , hay than grain ; that is, keep warmer in Strawberry beds should be muched, and ten-'They may be made of any dimensions, say :oold weather. Grain fed horses, without der raspherries laid down and protected.

Hardy, bulbous rosts, such as hyacinths, 12 to 15 inches high and front three to six disense. Horses are liable to the same disculips, crown inperials, lilies, marcissus, dec., inches, to give a piteh to covers. Raise cases as men. can be planted as long as the ground remains the plants from seed in the ordiany way and Socon Robnson-Many of the horses open; but the beds sloould be immediately set them in the frame, and, when cold weather in this City are kept in dark cellars, and covored a lew inches deep with litter.
comes on, cover with shutters like batten constantly breed discase by want of lightand
Apple trees may be transplanted with doors. These plants freeze, of course, but, air, and the ammonia arising from the floor. success. Bank them up well with earth to being shadded, they do not die. The phants It is a common practice in livery stables to support them through the winter; in the spring are much earlier, and are worth four times as put horses, kept by the month, in a cellar, they must be removed.
"We now hear thie busy flail in the baru, , caunflower and brocoli is very great. Rhu- twelve inches sfyare, and scarcely a ray of as the thrasher pursues las task from day to barb plants are much bardier and more likely light, and no exereise except walking a few day, nerer looking company, for he is sur- to live through summer than by spring plant-feet to water. In the stables of some carmen rounded by the whole fanily of fowls, ever ing. The plants need scarcely any care who keep but a single horse it is still worse, ready to hunt up a neglected ear that has during winter. escaped hishearty blows. In the farm-yard We never open the frames in freczing holes or cellars," almost air tight, and we see the catle knee-deep in the broken weather. When it is warm, the shutters are kept more unclean than in public stastraw which the thrasher has turned out, may be lifted over part of them. It is not bles. Horses are often stabled upon lloors anil lowing wisthuly over the fence, as iffnecessary to cover the boards with hay or one above another. It is dillicult to say they wondered what summer lad done with straw. Lettuce grown in this way, comes which tier is worse oft, since the gas from the all its green, and seeming to say, as plainly as early as hot-bed pinats are usually brought|cellar rises to those abore. On the corner as they can speak, that they like not the dry to market. No preparation of the soil, otler of Grand and Mercer-sts., New York, a large provender which is given to them, and care than gool garden mould, is necessary. not how soon they are ankle-deep in the rich,
Zuzuriant grass." New.Englend Farmer. Buzuriant grass."-New:Eniglend Farmer.
amemican institute farmers' club.

## New York, Nor. 21.

Tuige Livingston in the Chair, Menry Mengs Secretary.

## Bees.

The Secnetany real an interesting paper, from the lirench, from a work transunitted by Mons. Vatemere, upon the subject of Jees. गhe egrs hatel in three days. The worn remains five days to the first change, three days to the next. In eleren days a queen assumes the form of a bee, but
white. In seventen days she is perfect. She lives several years. Her body is black, and legs and feet yellow. She is the mother - of the whole colony, and they will all follow ler lead. Swarming tine may be known by her siuging. She lays eggs in forty-six hours after fecundation, and will lay 60,000 a year. • The old queen always gocs out with the new swarm.
[ $\Lambda$ correspondent writes us that he succeeds in effectually keeping the moths out of his bee-hives by keeping them on a grass, plot, which he keeps mown short, where he feeds his poultry. He pens young chickens and better manure, with less feed, than same and turkeys around the hives, and afterwards kind of catte out-door. places feed there over night, so that the fowls come directly from the roost, at which Animals' food must have the vital power, or time the millers are rising from their hiding- the animal will die. The proper foods places in the gross. 3 y this places in the grass. Thy this plain he has form fat, tlesth and bone, in proportion as a friend in California, inguixing how the seeds entirely got rid of the pest of the bee-moth.] they are eaten. Nitrogenous substances of water-melons succeeded (which he had Island farmers have a substitute for cold religion dwelt there when it was used for a frames, in raising cablages, by planting by place of worship; I do know, that those the sides ridges, and eovering the plants by who stable horses in unventilated stables, matting. It is a good phan for those who like the basement of that church, lave no will not build frames.

Tentilation of Stables.
Prof. Mapes remarked ypon this subject, that the combustion of food was similar in humdred horses are kept in stables unon two the amimal's stomach as in the stove. Hence, Whocks, for sale. The stables are mostly a stable should be kept at the right tempera-above ground, yet those who use them are ture as a matter of economy. A man ren-constanily $m$ dread of an opthalmic disease, ders 12 gallons of air a minute unfit for fur- called the pink-cye, which attacks horses ther use. A ir is not only injured by breath- from the country, and injures their salc. It ing, but by the surface of lis body, and an arises from the excess of ammomia, and want ox inclosed in a varnished bag, with his head of ventiation, and light. If the floors were free, with die. A healthy stable will lave lept white with plaster the disease would the ventilation so arranged that a current disuppear. Disenfectors are scarcely ever will not impinge upon the animal. All sta-- used here in the city, where most needed. bles should be cleaned every day and mixed Stables cannot be made too light, or with with something to save the gases. Mir. Napes too much ventilation. The Govermment of is opposed to box feeding. Heat may be re- this City should prohibit the stabling of hortained, and yet a good ventilation given. ses in cellars-it is a cruelty to animals, and Double boarding is one of the best arrunge-nuisance to people, ten times greater than ments; that is hollow sides. Charcoal dust, city cemetaries. It is a much-meeded redecomplosed muck, plaster of paris, or diluted form, that a Reform Common Council may sulphuric acil, will absorb the ammonia. In very well busy themselves about. The use a close stable, animals eyes sulfier. . . of one dollar's worth of plaster, copperas, Mr. Vall-My father's experience is sulphuric aeid, or chareoal; all easijy obtain, this: One lot of cattle were kept in wam, able in the city, would often save one hunventilated stables, and produced more milk dred times the cost, in preventing sickness, kind of catle out,

sent lim from melons that weighed sixty pounds cacli.) Mr. S. stated that he lost all bis vines ly striped bugs, wheh, contrary to all theory, attacked his vines after they were loaded with fruit, and by eating the leaves destroyed the whole vines. They did the same thing to his bearing cucumber vines, in September'; and be wants to know how to preventa repettion of their ravages.

Prof. Mapes-l have never known such old vines, attacked. I keep bugs of young vines by a simple fon-sided box, ten inches square and ten inches high. There is no need of glass or cloth over the top.
The Chaimman-I have saved my viees by dusting them with air-slacked lime and plaster mixed in equal quantities.

Prof. Mapes-A dusting of smufio or eharcoal dust is gencrally elfectual.

Mr. Sthlman-I tried that, but it did no grood. I only stopped the ravages of the bugs by pulling up the rines and throwing them, bugs and all, into the fire.

The subject for the first Thestay of Docember is, The best Mamer of Prepavisg Fuel, including the proper time to cut it, and Wood compared with Coal ; and also, 'Phe best Manner of Constructing an Ice-house.-N. Y. I'ribune.

PREMLUMS AWARDED JY THE AGRICUL-
TURAL SOCEETY OF THE COUNTY OF huntivgdon, no. i, tor 1854.
On Grany, Green and Root Crors. Wheat.

1. Alex. Graham, 2is ; 2. James Stott,
$20 \mathrm{~s} ; 3$. Jas. B. Maston, 15 s ; 4. Joseph
Whiteman, 10 s ; 5. John Remington, 5s. On Pcase.
2. Willian Lindley, 25s; 2. Jolm Borrow hale, $20 \mathrm{~s} ; 3$. William Robinson, 15s ; 4. Blward Mussen, 10s; 5. George Hay, 5 s . On Oats.
3. John Stott, $2 \overline{\text { Dus }} ; 2$ 2. William Tiobinson, 20 s ; 3. Thomas Dolly, $15 \mathrm{~s} ; 4$. James Stott, 10s; j. Gilbert Wedlon, 5s.

## On Barlcy.

1. Fraucis Durbum, $2 \overline{5} \mathrm{~s} ; 2$. Alonzo Force, 20s; 3. Yra Foshurgh, 15s; 4. 4lex. Graham, 10 s ; 5 . Edwad Braithwait, 5 s .

## On Corn.

1. William Williamson, 2 5s ; 2. Freeman Nyc, 20s; 3. Roswell Canhield, 15 s ; 4. Francis Stead, $10 \mathrm{~s} ; \overline{\mathrm{b}}$. Eli Woodworth, 5 s . On Potatocs.
2. Ealnh Moore, 255 ; 2. Thomas Brisbin, 20s; 3. Robert Outhet, 15 s ; 4. Joseph Whiteman, $10 \mathrm{~s} ; 5$. Henry Winterbotom, 5 s . On Hay.
3. Eli Woodworth, 2̄̄s; 2. Alex. Graham, 20s;3. Alonzo Force, 155;4. Charles Robinson, 10s; 5 . Herry Stephenson, 5 s . On Carrots.
4. Alesander Graham, 20s; 2. Roswell Canfield, 155; 3. Robert Outhet, 10s; 4. William Willianson, 5s.

## On Rula Baga.

1. Alexander Gralam, 20s; 2. Francis Cookman, 15s ; 3. Henry Winterbottom, 10s ; 4. Thalph Moore, 5 s.

## On Horses.

Stallions, Agcil.

1. Willian Weldon, 40s ; 2. Toln Bone,

30s; 3. Henry Steplienson, 20s; 4. Narcisse
Letournean, 10 s .
Threc year old Stallions.

1. James Clark, 30 s ; 2. Constant Bousquet, 20s; 3. Willian Canfield, 10s. Tuo year old Stallions.
2. Ira Wilson, 20s; 2. Joseph Wiaiteman, 15s ; 3. James Stott, 105.

## Broorl AItre and Colt.

1. Henry Winterbottom, 50s; 2. Siste Coupal, 45 s ; 3. Felix O'Niel, $40 \mathrm{~s} ; 4$. Chs. Robinson, 35 ; 5 . Aaron Miller, $30 \mathrm{~s} ; 6$. John Borrowdale, 25s; 7. Ira Tosburgh, $00 \mathrm{~s} ; \mathrm{S}$. Tohn Gilass, $15 \mathrm{~s} ; 9$. Rob. Beswick, 10s; 10. Freeman Woodworth, б́s.

## Three ycar old Filly.

1. George Woodworth, 25s; 2. Treeman Woodworth, 20s ; 3. Trancis Cookman, 15s; 4. Charles Robinson, 10s.

Tivo ycar old Filly.

1. David Tosburgh, 20s; 2. William Lindey, 15̄s; 3. David Barker, 10s. Yearling Colt.
2. John Bone, 15s ; s. Joseph Whitman, 10s; 3. Peter Robinson, 5s. Mearling Filly.
3. Thomas Brisbin, 155 ; 2 . Thomas Dibu, 10s; 3. Sixte Coupal, $\overline{\text { s. }}$

Thee yecur old Gelding.

1. Wh: Roliuson, 15s ; 2. Wm. Duriam, 10s; 3. James MeCallum, ह.s.

Thed yerar old Gcliling.

1. Gilbert Weldon, 15s; 2. Darid Fos-
burgh, $10 \mathrm{~s} ; 3$. Robert Burry, 5 s.
Pairs ILatclecl Horses.
2. Jolin Remington, 30s; 2. Gilbert Wellon, 25s; 3. Robert True, 20s.

On Neat Cattle
Bulls, Agral.

1. Heary Winterbottom, 30s; 2. Frecman Nyc, 25s ; 3. Rolucrt Truc, 20s; 4.
Maurice Lavalley, 1 os.
Tuo yocar old Bulls.
2. Trecmin Nyc, 30s ; 2. Henry Borrowdale, $25 \mathrm{~s} ; 3$. Wm. Xiadley, 20s; 4. Gilbert Weldon, 15 s.

## One year old Bralls.

1. Treeman Nye, 20 s ; 2. Wm. Williamson, 15 s ; 3. Ed. Mussen, 10s.

Milch Cows.

1. Charles Robinson, 35 s ; 2. John Robinson, $30 \mathrm{~s} ; 3$. Frecman Nye, $2 \overline{\mathrm{a}}$; 4. George Winterbottom, 20s; 5. Owen Odell, $15 \mathrm{~s} ; 6$. Gilbert Weldon, $10 \mathrm{~s} ; 7$.

The Year Old Heifers.

1. Charles Robinson, 20s; 2. George

Winterbottom, 15s; 2. John V. B. Hoyle,
10s; 4. Peter Robinson, 5s.
One Year Old Heifers.

1. Robert Outhet, 20s ; 2. Owen Olell,

10s; 3. Clarles Jiobinson, 10s; 4. Jolm Robinson, 5 s.

Yokes Oxen in the Yoke.

1. Frecman Nye, 20s; 2. Timothy Hoyle, 15s; 3. George Lavalley, 10s.
Dest Lot of Neat Stocti, buo animals or
more, not less than three years old.
2. Treman Nye, 25s; 2, Joha Cookman, 20s; 3. Robert Outhet, 15 s .

## On Surep.

Itcms, Aged.

1. Chatles Robinson, 25s; 2. Edward Nussen, 20 ; 3. John Robinson, 155 ; 4. William Robinson, 10 s.

One Shear Liams.

1. Peter Robinson, 255; 2. Johm Robinson, 20s; 3. Heary Winterbottom, 15 s 4. George Winterbollom, 10s. Eves, Aged.
2. John Robinson, 25s ; 2. Heny Winterbottom, 20s; 3. Charlas Robinson, 1 os; 4. Peter Lhobinson, 10s; 5. George Lavalley, 5s.

One Shear Euves.

1. Jolm Robinson, 2ns; 2. Cicorge Winterbotom, 20s; 3. ITenry Wiaterbottom, I5s; 4. Robert Outhet, 10s; 5. Williatli A. Canfield, is.

## On Swine:. <br> Boar Pigs.

1. George Lavalley, 255s ; 2. Chandes Robinson, 20s; 3. Roswell Canliedl, 1̂̀s; 4. Jolm Stott, 10 s .

Breceling Sozes.

1. Tohn Borrovilale, 25s; ${ }^{2}$. George Lavalley, 20s; 3. Eli Woodworth, 15s; 4. Fdward Braithwait, 10 s .

## On Buttrra.

1. Eli Woolworth, 25s; 2. Toswell Canfich, 20s; 3. George Lavalley, 10 s ; 4. John Borrowdale, 10 s ; 5 . William Lindley, 5 s.

## On Cumber.

1. Alonzo Smith, 25 s ; 2. Roswell Cinfield, $20 \mathrm{~s} ; 3$. Thomas Brisbin, 15 s ; 4. Owen Olell, $10 \mathrm{~s} ; 5$. Iolm Odell' S Son, 5 s .
The Society's Ploughing Match was held on the 16 October, and a fall of snow on the morning of that day prevented as reneral a larn out as was expected; the weather plonghmen competed, and the following premiums were awarded:

Senior Class, over 21 years of age.

1. Robert Ward, $2 \overline{5} s$; 2. James B. Mastin, 20s; 3. Edward Scriver, 15s ; 4. John Watson, $10 \mathrm{~s} ; 5$. Thomas Cordux, 5 s . Junior Class, under 21 years of age.
2. Mex. Gralam, Tr., 4.0 s ; 2. Watson Outhet, 35s; 3: Mobert Stott, 30s; 4.

James Intuhins, 255; 5. David Paine, 20s; 6. Charles Woodworih, 1oss; 7. Chester Yanornum; 10s; S. Alfred Moore, 5s.

Thomas Gondon.
Sccy-I'rcas.
obastown agmcultural sochety.
This newly organizad Society held their first Catile Show in the vilhage of Durham, on the thi of Oetober, when the following persons reccived premiums:
Crass 1st.- Brood Mares for Draught. -Edward Saller, Ormstown, 1st Prize; Thomas Steel, South Georgetown, 2nt do ; Jimes Sangster, Ormstown, Brd do.

Chass Indi-D'lwo year old Geddings or Fillies. - William hice, Ormstown, 1st Prize ; Toln Priurle, do, 2nd do; lames Singster, tio, 3rd do.
Class Brd-Milch Cows-NNeil MeEwail, Orustown, 1st Prize; Janes Sangster, do, 2nd do; Tames Sadier, do, 3rd do.
Class defh.-I'Po year old lieifers. Witham Coultar, Tamestown, Ist Prize; William Waddell, Ormstown, 2nd do ; Neil MeEwen, do 3rd do.

Class 5th.-One year old Ileifers.Tames Sadler, Ormstown, 1st Prize; Hugh Me Keller, do, 2ud do; Patrick Dumphy, Jamestown, 3rd do.
Csass 6ilh.-Pen of three Ewes.-Tohn MaCoig, North Ceorgelown, Ist Prize; James ID. Bryson, Ormstown, Ind do; Dirgald Graham, lo, 3 rd do.
Class Tul.-Rams.-James Benning, North Georgetown, 1st Prize; Tanes Coolin, South ieorgetown, 2nd do; Ales. Yomic, Ormstown, 3rd do.
Class 8th.-Ram of one shear.--James Cowan, North Georgetown, 1st Prize; William Logan, South Georgetown, 2nd do ; Willian Cairns, Omomown, 3 rd do.

Crass 9th.--Thrce Ewe Lambs.-Tames Beaning, North Georgetown, 1st Prize; John McCoig, do, Zud do ; Tames D. Bryson, Ormstown, 3rd to.

Class 101h.-Boars.-Tames Adams, South Georgetown, 1st Prize; William Felus, Ormstown, 2ad do.
Crass 11 th. Brood Sows.-Tames Cowam, North Georgelown, 1st Prize; Dugald Graham Omstown, 2nd do.

Class 12th.- Pair of Pigs. - John Alexauder, North Georgetown, 1st Prize; Dugald Graham, Ormstown, 2nd do ; Janes Cowan, INorth Georgetown, 3rd do.
Class 13th.-Cheese.-William Bryson, Ormstown, 1st Prize; Janes Cowan, North Geargetown, 2nd do, Jaines D. Bryson, Ormstown, 3rd do.

Class 14.-Butter.-William Logan, South Georgetown, 1st Prize; Samuel Beird, Jannestown, 2nd do ; Neil McEwen, Ormstown, 3rd do.
Class 10̆th.-Piece of Etoffc.-Alex. Komie, Ornstown, 1st lrize ; John Cook, do, 2 nd do.
of Tamestown, for specimens of superior knittiur, woollen yarn, \&e.
The above Society's Ploughing mate took place on the farm of David 13ryson, Wisq., of North Georgetown, on the 14th instant. Notwidistanding the previous frost and the shortness of the notice given, eleven ploughs entered the fied at an early hour and after ench had ploughed his sespective potrion, the Judges, Alex. Scolt, of Ormstown, James McWhimay, of Ormstown, and Alex. Bryson, of North Georgetown, Jisquires, proceeded to deterinine who should oblain the proes, and awarded them to the following persons :-
1st premium to Mr. Duncon Graham of North Georgetown; Ind do to Mr. James Anderson, lo; 3rd do, Mr. Alex. MeDongall, Ormstown ; 4.h do, Mr. James Goundru. South Georgetown; 5th do, Mr. Joln Howe, do.
The Judges in handing in their report to Ihe Committee, stated that it was with great dificulty and only with the assistance of the tape-line and rule that they were emabled to determine who, of the eleven ploughmen, should receive the prizes. After the business of the day, the Judges, Officers of the Society, and ploughmen, sat down to a inost comfortable dimer provided D. Bryson Esq.

## m'cormich's neaping machine.

The case of Cyrus II. McCormide vs. William II. Scymour \& Dayton S.
Morgan, of Rockport (N.Y.,) which has been on trial in the United States Circuil Court for thie Northern District of New York for a week, resulted yesterday in a verdict of 7,750 for the plantifi. The suit was brought for the infringement of two Patents granted to Mr. McCormick for improbemenis in reaping machines-one January 31st, 1845, and the other October $23 \mathrm{rd}, 1847$.
The case has been tried before-in October, 1851- and resulted then, as now, in a verulict for the plaintill. The trial was conined to the patent of 184.7 alone, the plaintifl having elected so to confirm it, in consequence of the alleged absence of a withess for the defendants as to the patent of 1845,
on which gromm the defendints songlit to on which ground the defendints sought to
put over the trial together. 'The defondants then carried the ense to the Supreme Cont of the United States, where the judgnent of the Court below was reversed, and a new trial granted, solely on account of an error in the charge of the Court upon the question of damages. Upon all other points the instructions and rulings below were express) confirmet. The validity of the patent of 1S47 was thereby fully established, as the trial was a very thorough one, and every thing was adduced that could be to destroy the novelty of the inventions covered by the
patent. This patent of 1817 cmbraces, as its matus feature, the invention of an arrange-
upon the machine for the raker who rakes ife cut grain from the platform upon which it is deposited by the reed. This patent of 1547 was reissued in 1853, and since the reissue an injunetion has been granted by the Court against Seymour \& Morgan to restrain them from violating that patent by making reaping machines embraciag an armugement of raker's seat or position upon the macline.
The thial which has just been had was upon the patent of 1845 alone, the Cout having held that by the reissue of the original piatent of 1847 pending this suit, the plaimtill had abardoned all chaim for damages in the suit, for the infringement of the original patent. The trial was therefore confined to the patent of 1849 , and was thoroughly and ably conducteo ly Henry h . Soln K. Porter, and Nicholas Hill, Jr., Esins., on the part of the tefence, the plaintifl being represented by Gov. Seward and Charles M1. Keller and Sanuel Blatehford, Esqs., as lis comsel.
The defences set up were those of want of noveliy, non-infringement and in abandonment. The inventions covered by this patent of 1 S 45 relate to the improvement in the cutting apparatus of the machine, by which that operation is made complete ; and to the arrangement for dividing the grain, by which, in comnection with the real, a perfect separations of the grain to be cat From that to be left standing is secured. The impor tance of thase improvements to the successiful and perfect operation of the machine in all situations and conditions ofthe erop, seems to have been very elcarly establislied.
Thus the novelty, as well as importance of this great American invention have been rindicated by an American jury in a Court of Tustice, and the award of the Comail Medal to McCormick's Reaper at the Worlds Eair in London in 1851, as the most useful single articie thare exchibited; has met with a response from this side of the water with will go far to refute the truth of the comnon saying, that "Republics are ungrateful."-Alitzay Evoneng Journad.
ingrembents of defement pabts of CORN.
We have noticed that when a rat, monse, or squirel, gets hold of a kernal of Indian corn, he cals out the chit and lets the rest alone. It has generally been supposed that this was done by them because the chit was the softest part. Dr. Salisbury, of Albany, shows that it has, also, by far, the riclest and most mitritious portion uf the kernal.
If, therefore, a mouse gets into a full bin of corn, he is a fool to be spending lis time in cracking the harder parts of it, when the softer and richer parts can be had for a tenth part of the trouble which he requires to grind the other.
A writer in the "Plough, Loom, and Anvil," says:

In composition, the chit differs materially the oil lies near or in the skin, as also does ing properties of Indian meal, so well known from the rest of the kernal, in containing a a large portion of the glaten. "Ihe bran to practical men. There is, besides, a good very large percentage of oil and albumen, owes to this much of its nutritive and fatten-portion of sugar. 'Jhe nitrogenous substanand a smatl percentape of starch. The oil ing qualities. Thus, in refining our llour to ces are also conslderable in quantity-some amounts to from 26 to 30 jer cent., and the the utmost possible extent, we diminish twelve or sixteen per cent. All these statealbumen to from 17 to 20 per cent. of the somewhat its ralue for food. The phosphates ments are from the pize essay of Mr. T. dry matter, while the starch ranges from of the ash also lie, to a great degree, in the II. Salisbury, problished by the New York above 10 to $12 \frac{1}{2}$ per cent.
skin. The best fine flour contains about 70 State Agricullural Society. They show
In the corneous or flinty part the oil does pounds of starch to each hundred. The that the results of European chemists have not exced 3 per cent. and the albumen $f^{\prime}$ presidue of the hundred pounds consists of 10 probably been obtained by the examination per cent, while the starch amounts to about or 12 pounds of gluten, 6 to 8 pounds of of rarieties inferior to ours; they have not $52!$ per cent. The fariuaceous or mealy sugar and gum, and 10 to 14 pounds of placed Indian corn much above the level of portion affords a little over 3 per cent. of water, with a little oil.
oul, and a , Jitile less than 2 per cent. of liye flour more nearly resembles whenten it is scen to be "m most respects superior to albumen, while it gives of starch 59 per liour in its composition, than any other; it any other grain."
cent-The gluten exists more largely in the has, however, more of certain gummy and Sweet corn difiers from all other varieties,
nimty than in the mealy portion.

Hedges.-There is but one plant that now appears to be just the thing for hedges. This is the Osage Orange. Although somewhat linble to be winter-killed at the tips of its branches, we have never known the roots and larger brauches to suffer; and in a thick hedge, with the moderate growth that such a thiek growth inust hare, our severest winters will scarcely affect it. And it so happens, that nipping the tips is only beneficial to the hedge, operating in the same way as a slicaring-an operation too often ne-- glected in raising hedges. After many years trial, we are satisfied it will succeed perfectly in any lucalities where peaches are raised, or Isabella grapes ripened.

It is raised from seed, but as this requires skillful management, our correspondent will do best to obtain the plants from nurserymen, which he can do at 5 or 6 dollars a thousand. The best way, is to plant on the line of a ditch, made for this purpose, filled with mellow earth, the diteh keeping the soil dry, and of course ennbling the ylechts to withstand the frost maed better than of soclied with gested, becanse more solubrc. it, and containing about the same amount of Norton. sugary substances, which make it tenacious, containing only about eighteen per cent. of and also imparts a swectish taste. In baking starch. Amount of sugar is of comse very all grains and roots which have much starch large; the nitrogenous substances amount to in them, a certain change takes place in their the very large proportion of twenty per cent.; chemical composition. By baking, flour of gum, to flirteen or fourteen; and of oil, becomes more mutritious, and more easily di- to about eleven. This, from the ahove re-

Barley contains rablier less starch than grown. If it can be made to yield as much wheat, also less sugar and gum. There is per acre as the lardier varieties, is is well little gluten, but a substance somewhat like worth a trial on a large scale.- Professor
nitrogen.'
Oat meal is little used as food in this coun-paris and measure-grounds for the try, but it is equal, if not superior, in its nutritious qualities, to flour from any of the other grains: superior, I have no doubt, to pro present is a tame of agricultural immost of the fine wheaten flour of the north- provement and progress without a paraliel in ornt antudes. Improved implements, imem latutudes. Jt contains from ten to cigh- proved stock, better cultivation, better fences teen per cent. of a body having about the and buildings, meet us everywhere in the sunc amount of nitrogen or gluten. Besides country; and farmers are growing "rich" this there is a considerable quantity of sugar in the common acceptation of the term. We and gum, and from five to six per cent of oil rejoice at this, and so must cerery man who or fatty matter, which may be obtained in feels a lively iuterest in our national welfare, the form of a clear, fragrant liquid. Oat meal because agriculture is our main stay. If it cakes owe their peculir agrecable taste and fails to prosper, we can have no prosperity. stacll to this oil. Oat meal, then, has not It is the produce of our farms--ilhe fruits of only an abundance of substance containing farm indenstry-that animate trade and com-
water.

- If keptiacell and constantly cullizatod, such a hedge will afiord protection against cattle and horses in about five years, notwithstanding the heading down each spring for a few years, at successive beights, which is indispensable to a good and compact hedge. Without cultivation, the time required will be much louger.

Nothing can be better than an Osage hedge for a. fruit garden, as from the innumberable slarp thorns, no fruit-stealer would be likely to undertake more than once to pass sucli a barrier, and he would probably remember the effort for a long time.

## NUTRITION in Various grains.

 like ghaten. The percentage of fatty matter eat is one of the most important of all much larger than any grain yet inentioned crops. . The grain contains from lifty to being between eighty and ninety per cent.; serenty per cent. of starch, from ten to usually about cighty-two per cent. twenty per cent. of fatty matter. The proportion of gluten is said to be the largest in the grain of quite warm countries.It is a singular lact that, in all the secdofir cent. of starch, nearly the same as in oats. niltogen, but is also quite fattening. It is, in fact, an excellent food for wokiug animals, and, as las been abundauly proved in Scotland, for working men also.
Buckwhent is less nutritious than the other grains which we have noticed. Its tlour has from six to ten per cent. of nitrogenous compounds, about fifty per cent. of starch, and from five to eight per cent. of sugar and gum. In speaking of buckwheat or of oats, we of course mean without husks
Rice was formerly supposed to contain little mitrogen ; but recent examinatious lave shown that there is a considerable prortion, some six or eight per cent., of a substance like gluten. The percentage of fatty matter
and of sugar is quite small, but of stareh 1 much larger than any grain yet inentioned
being between eighty and niuety per cent. Indian corn is the last of the grains that per cent. of starch, nearly the same as in oats. The proportion of oil and gum is largemeree, that builal up cities and rillages, construct railroads and canals, and coverour lakes and rivers the broad seas with fleets of vessels. What a calamity-what an universal panic and prostration of business would the failure of cven one crop over the whole country loring ulon us!
Agricultural progress and prosperity, then, are subjects that no man, whatever may be his calling, can regard with indifierence ; and the agricultural classes themselves, as a body, by their intelligence, industry, energy, and manly independenee, command miversal admination and respect. These are our honest sentiments--not the fulsome flattery of a stump speech or loliday oration. Our sympathies are, and ever have been, and will be, with the tillers of the soil. Our own life, so far, has lieen spent in the country, and we have earned our bread by the cultivation of the soil. We can speak of both its toils and pleasures from actual experience. We know sone regard it as a vulgar and plodding pursuit, fit, only for strong, rough, and unedncated men; but the number of wheat and other graius, the principal part of about ten per cent. ; this explaius the fatten-those who think so is diminisling rapidly.

Men of taste and intelligence are now ambiti-(house!-what a mockery! There is some-fwhich call the farmers together, not only to ous of being agriculturists; and selools and (thing incongruous in the rery look of it that cxhibit the fruts of their labor and skill, but colleges for trainiug the sons of farmers are cannot fail to strike every observing person. also to tisten to counsels, warning and rebegiming to attract attention, and will soon - Horticullurist.
work a change in the public sentiment in regard to the respectability and importance of the agricultural prolession.

This brings us to the point on which we proposed to make a few suggestions, when we look up our pen. We wish to see the more attractive. Hitherto, as a general on to hembock scanding. Let one side of education, and that often a very ordinary thing, the improvements which lave been the box be seven feet high, and the side op-one, is thought amply sufticient for him who made are of the usfful kind, having reference posite ten feet bigh. This gives a roof is to be but a farmer. Rer. Nr. Clift, of mainly to the supply of man's physical wants. eight feet long, with a slant of three feet. Si Stonnington, Ct, who delivered the address Most of our farms must be regarded as mere is well to hate the roof boards extend over before the Hampshire Co. Society a few manufactories of food and clothing; very the sides of the box. Double boarding with days since, spoke very forcibly on the sublittle has been done to gratify the intellect, lomfock makes a suficient roof. Set this ject of Sciemific Agriculture. He looks to taste, or feelings-the higher and nobler box on the top of the ground, in a dry and this as the grand means of renovation in attributes of our nature. And this is one shady place, where surface water will not some of our old townships, now in an evidentreason, beyond a doubt, why many young accummulate. No planks are needed at the ly decaying state, through the loss of some persons who have, by means of education, bottom of the box, but sawdust must be of its most enterprising sons and daughters yeading, and society, acquired a certain placed on the ground inside the box to the who seek in other pursuits for that position degree of refinement, become dissatislied depth of one foot, and over this place loose in society to which they feel themselves enwith agricultural life, and lave sought the boards lor the ice to lie upon. Cut the cakes titled, but whieh they despair of obtaining on city. Intelligent, educated men, camot of ice two feet square, and build a tower of the old homestead. He argued that if each surcly remain satisfied with being mere ice six fect square in the centre of your box, of these towns contained but two or three growers of grain and breders of stock,- (or ice-house, we will now call it,) by laying farmers of the right stamp-men who honorihey must love their home; and to merif the cakes compactly together, and filing ail ed ibeir cailing, and were an honor to it-their love and attachment, that home must crevices with sawdust as you proceed. We the .spect of things would very soon be possess sometling of beaty, for the love of have now six feet cubic of ice, with a space changed, and thrift and enterprise would the beautifut is an. instinct of man's nature. of one foot all around between the ice and take the place of stagnation and decay. In A large portion of the population is continu- phanks. Fill this space with savilust, and furtherance of the subject, he recommended aily on the move;-the old home has no cover the top of the ice with the same eigh- the Agricultural Societies to olfer a premium hold on their affections-or at least not teen inches deep, and you have iee enoughlfor suceess in certain departments of husenough to overcome the novelty of a new seemed to last a family through the season one. We see the population diminishing in the very heart of the finest agrocultural districts in America, where nothing is so much needed as human boings. It is at certain seasons impossible to procure laborers enough to do the work. Thlis state of things is unfavorible to the perfect development of the country's resources, and equally unfavorable to the attainment of a ligher. and happier social condition.

It is not unreasomble, we tiust, to expect, and even to urge, some reform on this point. Make home at tractive ;-cultivate the taste, and feelings, and afiection, as well as you do your fields. Why should a wealthy farmer, with his 50,100 , or 200 or 300 aeres of land, content himself with a rod or two of a good effects of these alone can hardly be door-yard, and a dozen of shade trees, shap- over estimated. I'le truth is that hitherto ed and managed after the precise fashoin of as a class, they have had no rallying point. a village plot? Why can he not, just as They have almost nothing of that esprit ale well, have a park and pleasure-ground of corps which belongs to other professions, and several acres around lis house, broad glades as the business naturally conlines then for of lawn, and groups of trees, separated from the most of the time within the bounds of the the cultivated portions of the farm by green farm, they miss most of those opportunitics hedges? This, well stocked orchard and of improvement which are possessed by those and good ample kitchen-garden, would come who live in cities or thickly setted towns. up to our ideas of a country home; and They have seldom an opportunity of hearing it would be impossible for children to grow themselves addressed as a distinet body, and up in such a home without becoming attach- their duties clearly pointed out. Our agri-price it brings in New York, while labor on ed 10 it, ind having their tastes expanded, cultural papers do this to some extent, but this side of the continent is three or four their feelings refined, or without appreciating they lack the unction of the living voice, and times as high. The native richness of our the comloris and blessings of a country life. besides they reach but few of the mass soil makes up, however, in some instances, A rod or two of a door-jard for a farm-lof the farmers. Hence the ralue of fairslfor this discrepancy. In conversation yes-
terday with a farmer from Alameda Combty, see if he delight in louid noises, such as the lhas been repeatedly asserted, that domestic on the bay, about ten miles south of Oak- sound of a drum-he noise of a bridge-fowls may be fattened on it without any land, he informed us that he had found his the sound of camon, dee. crop this year quite profitable. His land is A good colt will generaly precele his than on the most nutritive grains. I have a very choice selection. The had 76 aeres dam in trivelling. If he lags behind-if he recently made an experiment, and must say of oats, which yielded 7,200 bushels, or is easily frighteued at sights, or sounds, that the result surprised me, as I had ahways about 95 bushels to the acre ; 23 aeres of get rid of him at once. He will not be been rather seeptical. Four turkeys were wheat, which yielded $1, \mathrm{SO}$ bushels or about worth raising. If you have a colt from a confined in a pen, and fed with meal, boiled 78 bushels to the acre; 25 acres of barley good stock, treat him with kindness, never potatoes and aats. Fow others, of the yielded 1,500 bushels, or 60 bushels to the irritate him. Feed hinu with salt, crusts of same brood, were also, at the same time acre; and 53 acres of potatoes, 17 of which bread, pieces of carrots, \&c. from the hand. confined in another pen, and fed daily on the bad been dug, producing 2,600 sacks of 130 Feed bim well-give him a warm stable, and same articles, but with one pint of very facIh. cach, or nearly 20,000 lbs. to the acre. good bed in winter. Halter him and lead fy prdverized charcoal mised with their mix-

IMPORTANCE OF THE ONION.
The onion is wortly of notice as an en ex- saddle on his back, and always keep him in pen. The eight were lilled on the snme day, tensive article of consmmption in this com- hand, and under kind control. Keep up this and there was a difference of one and a hatf try. It is largely cullivated at bome, and is practice till three years old-you may then pounds cach in favor of the fowls which had imported, to the extent of seven or eight put a harness on him, and lead him round in been supplied with the charcoal, they being hundred tons a year, from Spain and Portu-it. Take care that he never gets a chance mith the fattest, and the meat greaty supegal. But it rises in inportance when we to break from you or sun away. In the rior in point of tenderness and flavor.consider that in these latter countries it spring, summer and fall, give him a good Germantoun Telegraphe: forms one of the common and universal sup-pasture to exercice in, where he can run and ports of life. It is interesting, therefore, to consolidade bis limbs. At four jears you aesumes of memanvesi-pmees and know that, in addition to the peculiar flavor ean harness lim in a sled, and afterwards in which first recommends it, the onion is re- a light wagon-always remain by his head. markably nutritious. According to my Do not blind him-let him sec every thing analyses, the dried onion root condains from that is going an around him. A harrow is a twenty-five to thirty per cent. of gluten. It good thing to tame him down.
ranks in this respect with the nutritions pea If you want him to work with another and the gram of the east. It is not merely horse, yon may now harness him with a as a relish, therefore, that the wayfaring horse that is perfectly gentle, and kind, and Spaniard eats his onion with his humbe sure in all siluations. At five years ofd he crust of bread, as he sits by the refreshing will be fit to put at any light work, in sadspring; it is because experience las long dle and harness. But he should not be proved that, like the checse of the English orerloaded or strained at this, or any other laborer, it helps to sustain his strength also, age. At eight years old, the liorse is maand adds, beyond what its bulk would sug-ture. His bones, muscles and cords, are gest, to the amount of nourishment which his fully developed, and consolidated. I had a simple meal supplies.-The Chemisbry of Lifc.

Sherif Marl--Allow me to invite attention to the advertisement of S. B. Raymond \& Sons. I. have used their shell llone marl the past season on garden vegetables, started him, and immediately pulled my codand am so well satisfied of its richess as a line, and brought such a crushing power on manure, that I purpose to use it extensively. Wis jaw, that it brought him on his haunches. Its discosery will add materially to the I served him in this way three or four stock of fertilizers in this section. I hope the lovers of good crops abroad, will arail themselves of its cheapness to order and test it. An article in the Edinburgh Encyelopedia, says " shell marl is composed of animal stells dissolved; contains oil, afiects the soil like animal manure, increases the food of plants, aids the soil in attracting food from the air and prepares the regetable food for entering the roots of plants. This marl is so rich in carbonate of lime, an active stimulant, that it must mix alvantageously with the animal mamures of the farm-yard. If so, we have discovered an invaluable mine.

## traning horses.

A colt of good blood is always a colt of good courage, and the best way of ascerthining a good blooded colt, his to try is conrage. See if anything will frighten bim--
spirited blood horse, that was rery fond of
rumains, and no common bit would stop him.
[ had broke all kinds of eurb chains on his
jaws, without stopping lim. I therefore took an old" sadde bit, and put a strong coolllne throngh the rings mider his jaw, and I served lim in this way three or four that, if he was in a very high glee, if he head that sound he was as dead as an Arabs's horse,-all his feet planted firmly Corwayd, and I newor forward, and I never had any more trouble brourght
military music, in the cry of a hound, in the noise of a camion. He feared nothing. He was very fleet in all his gaits,-fleet as a deer and gente as a lamb. I sold himafter a few years use; and one thousand dollars would not have tempted the purehaser to part with him. I am sorry to say, he was finally burned in a stable.-American $P a$ per.

FATTENING TURKEYS, ETC.
Mr. Eniror,-Much has been published cipated two months ago.
J'lue general enfect of so good a barrest, and so large a product of food for man and beast, will be to give an impulse to our manufactures, and to spread peace and plenIy among the industrions lives of Manchester, \&c. Howerer light, therefore, butehers' meat is at present, we do not expect it win be much lower this season. $\Lambda$ s to grain, notwilhstanding the plentiful yield of harvest, ISōs, it is probable that prices will remain suficiently remurrative 1.0 the growers for at least a considerable time, and until arger breadths of grain crops are
agricultural statistics.
The following clear and satisfactory explanation by J. Hall Maxwell, Lisq., Seerctary to the Highland and Agricultural Society of Scothand, is well worthy of the perusal of all who feel interested in the working of a correct and authoritive method of aequiring Agricultural Statistics. The Highland Society have, as might be expected, gone about their business in a businessthe like and efficient manner. They flrst obtain

## weather.

The harvest weather has been on the whole uaprecedentedly favorable; the harvest may be assumed as concluded, and the yield is decidedly above an average. It has been computed by persons qualifed to judge, that he increase on wheat over last year's crop, would be seven millions of quarters, or fifty-six millions of bushels. All crops are a full average, and considerably abore last year's produce. Still, in the present condition of Britain, and of Europe, all this increase will be required for British consumption. The destruction of the potato will not amount to amything like what was antihate in our agriceltural joumals ia relation the retums of the extem of erops from the the alimentary properties of chareoal. It leuants themselves, after which the averare
of each kind of erop is struck in each dis-lceedel in giving effect to these features. ficular man. After alluding to the importrict by first elass julges, catled together to We thought them necessary, and I think we give a verdict upon them like a jury. Mr. Maxwell said :-

Since I. was Seeretary to the IHighland which I shall now explain. In the first Society; Thave been in commuication whbphace, I am now engaged in franing a list of no fewer than four Presidents of the Board the whote of the farmers of Scothas. of 'Trade, all difiering in their political was startled, when I last looked at that list, riews, but all agreeing that information in to find that there are 48,000 names upon it. referches to agricultural matters was of great importance to the public, and to the farmer, their only point of difficuliy being how these statistics are to be got at. It iv now two or three years since Mr. Labonchere first applied to tho Highland Society for a statement of their views, and a plan of this inquiry. That phan was prepared, went into the hands of Mr. Hencer, the President of the Board of Trade under Lord Derby. It met with lis approval, and afterwards came before his successor in olfice, Mr. Ciardwell, under whose sanction, as you are all aware, an experimental trial was instituted last yenr in three of our Scoteh comities, and in two IEnglish comities. The results of that experinental trial, owing to the active assistance and co-operation of the tenant farmers in these three counties, were so satisfactory that Goverminent found itself in a position to extend the inquiry to the whole of Scothand; and I think it is honourable to you, as a class, that the exauple which your brethern in these three counties set has emabled-in fact, has induced Govemment to place Scotand in the van in this matter. Govermment has thought proper in extending this inguiry over Scolland, again to employ the Highland Society, and again to ask for the assistance of the farmers: and we have every reason to believe, when we look to the assistance obtained from the farmers last yeur, and the results of the meeting held this yenr, that the co-operation which Govermment secks at your hamds will not be withheld. Jhe plan of this inquiry, as reconmended by the Wighland Society for the adoption of Government, is characterised by certain distinguishing features. In the first place, we took the liberty of strong ly advising Government guot to make this matter compuisory-not to come down upon the farmer, through any central boarel, ar by any act of Parliament, extracting by main orce that information wieh bor in orecs. try in finst plae the vorsent of the farmers in that district haye a certry, in the first place, the voluntary system, and to try to work liat system by means of the firmers themecires, in the mamer adopted last year. In the next place, we initel as insisted as emphatically as we could on the knows is not what a farmer las in this disimportance of stripping this inquiry of evers- trict, but what the whole district has of any thing of an inquisitorial claracter, and at the same time of publishing the results in that the questions I put to you are not insuch a shape as to make it totally impossible quisitorial, and the way I. put the answers for any-party to extract from the published camot divulge anything; and the best proof returns the partienhars applicable to any one of that is, that the returns for last year farm or farmer. It will be for you to say, have been before the public eight months, when I deseribe the manner in which wedand I defy any man to extract from these an conduet the inquiry, whether we have suc-tiota of intelligence in refercuce to any par-
fance of giving to every farmer, early after havest, correct infomation as to the state of the crops throughout the country, Mr. Maxwell proceeded to explain more particulayly the mamer in which he collected the required information, by stating that in each district they had a committee composed of one practical farmer from each parish in the district, cach committec having an enumerator or convener-the enumerator for the Cupar district being the Secretary of the Fife Agricultumal Socicty (Mr. Dingwall, of Ramornie), whose services he had secured in that cupacity. These members of committee woutd in a short time reccive their instrnctions, their duty being to make their own observations as to the state of the d crops in their respective paristics, ask the spinions of their neighbours, and after some y experiments are made on the barn floor, to compare notes, and make up their minds as to what they consider shall be put down for the Cupar district as the fair average produce of bushels per acre of the various crops, which average would be sent to the olice of the Highland. Society by the enumerator. Thus, continued Mr. Maxwell, if it is reported to me that the average of a particular lind of grain is thirly bushels per acre in this district, then I an enabled, from the information I bave afready received as to the total number of acres under cultivation in the district, to return the number of bustiels for the district. And when this is done for every district by experienced farmers, I have no doubt it will come very near the mark, and will tend to relieve you from the spleculators of the country. As to the stock, we require to be a little more inquisitorial there, simply because acreage will not give us any criterion for stock. A number of sheep harmers wore at first unwilling to tell the number of sheep on their farms; but when it was explained to then that it was not the stock of their farm, or their eparish, but of a large district comprising a e number of parishes, they found they were as . safe as the grain farmer was, and I ann proud e to say that in the sheep districts we were in last year not a single farmer refused the information. J lave just come from Argyleslire, which is a dillicult county to work. There was an opposition there, but it fell to the grouud. I have met men strongly opposed to the whole thing, not understanding what was to be done, and not being convinced that any practical gooll would be eflected by the inquiry, but laving always received a lair hearing, the result has in erery case been a hearty vote of approval, and a promise of support and co-peration.

Pubic Wants.-Immediate and decisve answers are wanted to the following questions: How to gain a reputation for falent in your native town? How to give advice or to argue with a fool? How to borrow money on the plea of extreme
poverty? How to get long credit of trades- or at least a large majority of them, shouldmeans of appreciating at once the geological men, if they generally see you in shabby le able to meet together. The Executive strusture and the mineral resources of elothes? How to make your children tell Committee will, however, be most anxions Canada. It is to Mr. W. E. Logan, one fibs for yon, and not teach them to tell hibs at atl times to receive the counsel and adviee of the members of the Jury, who fils the offor themselves? How to make evasive ex-- of the Local Committees. It is recommend- (lice of Geological Surveyor of Canada, that cuses without incurting the guilt of lying? ed that such Local Committees be organized we are indebted for this collection, and its How to screw down a mechanic below the in the chief towns of each Comity in Lower value arises from the fact that he has selectfair living price of a job, and not it the end and Upper Canada, and that they should ed on the spot most of the specimens that cheat yourself?

To Raise Giant aspabagus.- $A$ writer in one of the carly volumes of the Horticuluurist, (Mr. Downing we bulieve,) tells us how to grow common asparagus so that it will always rival any giant production. He says:

Every one who has seen my beds has begred me for the seed-thinking it a new sort-but I have pointed to the manure heap-(the firmer's best bank)-and told them that the secret all laid there. The sight was such as might be seen in every garden.

About the first of November-as soon as the frost has well blackened the asparagus tops I
 close to the sirface of the bed; let it lie a is carried on, it should be noticed, and tive and scientilically arranged collection of day or two, then set fire to the heap of stalks, accompanied with any propositions which the adimentary products of scothand." burn it to ashes, and spread the asher over the bed.

I then go to my barn-yard ; I take a load of clean, fresh stable manure, and ald thereto half a bushel of hen dung; turning over and mixing the whole together throughout. This makes a pretty powerful compost. apply one such load to every tiventy feet in length of my asparagus beds, which are six feet wide. With a strong threc-pronged spud or fork, I dig this dressing under. The whole is now left for the winter.

In the spring, as early as possible, I turn the top of the bed over lightly once more. Now, as the asparagus grows naturally on the side of the ocean, and loves salt water, I give it an unusual supply of its favorite condiment. I cover the surface of the bed about a quarter of an inclithick with fme preking salt; it is not too much. As the spring rains come down, it gradually dissolves. Not a weed will appear during the whole season.
the mancurive committe. Of the Provincial Commission appointed to ensure a fitting representation of the inclustry and resourecs of Canada at the World's Exhibition to be held in Paris in the year 1555, have the honor to report:
That the success of the present effort to procure a creditable exhibition of Canadian mudustry at the Paris Exhibition must depend, in a great degree, on the cordial and zealous co-operation of the public at large througls the several Local Committees. It has been deened absolutely necessary, in order to ensure unity of action as well as efficiency, that there should be a Central Exccutive Committec, the Members of which,
may be made for its illustration. For rea- The Jurors of class 4 , in their report on sons which will be explained elsewhere, it is animal and regetable substances clietly used proposed that at Montreal and Toronto in manfactures, as implements, or for ornathere should be Central Local Committees, ments, by Professor Owen, say:
and as the duties of these Committees will "Among the numerous samples of raw be much more laborions and lesponsible they produce contributed by different countries, should be organized in a different mamer. there are several collection of especial value It is proposed that until further arrange- which derive additional merit from their ment can be made, the resident Members of completeness and from the fact that they ifthe Executive Committee should correspond listrate the trade and manufactures of an with the Secretary, and that they should entire country. The importane of such submit, with as litte delay as possible, the collections not only in a commercial but in a names of such gentlemen as may be eligible statistieal and scientific pint of riew, is very for serving on the Central Committecs, great, and the Jury therefore, being desirous bearing in mind that the most important of expressiug their approbation of the pracqualifications are the ability to be useful, tical benefits to be derived fron the formaactive and energetic co-operation, and dis- tion and study of such collections and the connection with parties likely to be exhibit-advantages which the commercial and maiuors. Having provided for the organization facturing community may obtain by their of the Committecs, the next subject for con- means, have determined to recominend the sideration is the mode to be adopted to award of the Council Medal to the Governsecure a creditable representation of our in-ments of those countries the natural products dustry at Paris. 'Lhe Executive Committe of which were so instructively and completewould earnestly press on the public the im-ly exhibited."
portance of systematic and, when practicable, scientific arrangements. They heg to call atention to the following extracts from the Jurors' reports on the London Exinibition. In the report of the Jurors of class 1 on mineral products, by Mr . Dufresnoy, menber of the Institute of France, Inspector General of Mines, \&ce., it is said:
"Of all the British Colonies, Canada is that whose exhibition is the most interesting and complete, and one may even say that it is superior, so far as the mineral Kingdom is concerned, to all countries that have for-
warded their products to the Exhibition.

The three classes above adverted to comprise the great staple products of Canada, her minerals, agricultural products, and timber, and the Comnittee hope that efforts will be made to ensure a satisfactory representation of them. They would likewise suggest that the respective mamfactures stould be illustrated by exhibiting the materials in their various stages, up to the highest point of perfection. It is most important in the opinion of the Committee that copics of the Jurors' Report of the London Extibition should be placed within reach of - as many as possible, and all persons desirous This comes from the fact that the collection of exhibiting are strongly recomnended to has been made in a systematic manner, and read such parts of that interesting work as
it results that the study of it furnishes the may be specially important to them. Those
who have copies of this work are requested $/$ tion, the quandity of space allotted, \&e., Sc. |conducted by Mr. Paterson, her Majesty's to place them at the temporary disposal of 'The articles not sent will of course be resold gardener at Balmoral, with the assistance of the Central Socul or Local Committees. on account of the commission. The pro- two workmen. His Royal Highaess was
To assist the public as mueh as possibie positions made by the parties entited to fir- wreaty interested in the invention, and with in the meantime, the Commitee propose nish aticles under the above reguations the satisfactory mamer in which the work appending to this report a concise table must be as specific as possible, and must be was performed. In the course of the difiershewing the elassifeation adopted at the forwarded at one to the Secretary so that ent experiments, His Royal Highess reJondme Exlibition, and the awards of the the proper Sub-Committee may dispose marked to Mr. N'Glashen thathe perecived Council Medals, also the names of Cana- of them. It will be advisable to prevent several important improvements had been dims who obtained Medals or "Honorable as much as possible similar articles being made in the apparatus since its exhibition in Mention." A more detailed list may be given made by difterent manufacturers and me- the London Horticultural Society's Garden hereafter, but the Committee are anxions chanics. It is hoped that no delay will now eighteen months ago, when a poplar, 55 feet that as little delay as possible should take take phace, and that the Local Committees high, was successfully transplanted. place in developing their scheme to the will be active in ohtaining and prompty Whale preparations were being made for public.

The Committe being of opinion that voluntary efforts is not to be relied on, have obtained the sanction of the Commissoners oned to the Paris Exhibition, but at the same place, and cxhibited to the public at a small time they propose that the contributors admission price. Turors will be appointed should receive all prizes or honours which to aid the Committee in determining on the may be awarded to the artuctes sent by artieles to be seint to Paris, but no prizes them. . Ihe great difieulty in carrying out will be awarded. Such is the seheme which the phan of purchasing is to avoid partiality, the Executive Committee are of opinion will, and the Committee hate anxionsly considered this point, and have determined to recommend:

1. That all who have receivel prizes or honomable mention at the London Exhibition in $15 \overline{5} 1$, or the New York. Bxibilution of 1S53, and all who have received lirst pires at either of the Provincial Estubitions of Upper and Lower Canada in 1853 and 1854, should be invited to send propositions to the Loeal Committees stating whether they will send specimens of their products and mannfactures lor exlibition to Montreal or T'oronto, on or before 1st February next, payment to be made for such articles at the experiment seems to point out some new fair wholesale market value to be decided in feature in its construction, or some new apcase of dispute by the Judges at the Localphieation of the invention. Ex libition.
2. The Tocal Commiltec may further recommend for consideration a proposition from any party who has received ac first prize at any Local Exhibition, which slatl be refered to the Sub-Committee of the Tixecutive Committee eharged with that branch of industry.
3. In case of failure to obtain contributions from the above classes or under specia! form of the invention, vi\%, that adapted for circunstances, the Sub-Committce may take transphanting herbaceous pants, with which such steps as they may think best to ensure he lifted a plant of common henther, with au a proper representation of their particular adherent ball of earth 9 inches in diameter. branch. By these means it is hoped that He then applied a machine, with four spades public confuence will be inspired in the im- or culters with which bo lited a tall poplu (intance by the same partiality of the Committee. But it is pro- tree wilh an adherent ball of earth 22 incl- machine as that with which they are lifted. posed to go further. The whole public are es square. By adding four other spades to . The Balmoral mathine is suited for raisinvited to compete at the Local Exbibitions, those used in this operation, the apparatus ing tree-roots or blocks of rock from 2 to 3 at Momtreal and Toronto, and any success- was in a few minutes converted into one tons in weight. But as trees of any size ful competitor will have his contribution suitable for lifting a bill of earth 4 feet $S$ can be transplanted with perfect safety by purchased on the same terms as those fur- inches in length by 3 feet 5 inches in machines of larger size, so in like manner nushed by the classes already described. breadth; and with it he proceeded to oper- stones or blocks of rock of any weight can The Executive Commitec do not bind ate upon a fine birch free, about 20 feet in be raised by having the carriage of correstheniselves to send to the Paris Exhmition height. The cutters being driven in, and ponding size and strength,--October 6, 1854. any of the articles which they engare to the apparatus aljusted, the tree was speedly purchase. They must be guided by cireum- raised out of the ground, with a fine ball of purchase. They must be guided by cirem- raised out of the ground, with a fine ball of A Drop of Onf.-Every man who lives
stances such as the extent of the contribu-learth around its roots, the operation beinglin a bouse, especially if the house be his own,
should oil all the various parts of it once in a practical quarryman in his own country, of the Fetiercairn Farmer's Chub, Sir Jolm two or three montlis. The house will last first opened one of the quaries, since when Start Forbes, of Pitslign, brought a plan, much longer, and will be much more quiet to some three or four companies have invested invented by Mr. Watson, of Fatifax, before live in. Oil the locks, bols, hinges of the a considerable amount of capital in the busi-fhis audience, as well adipted for farm build-street-door, and it will shut gently, with ness of getting out the slate for rooling, and ings. It consists of a tube passing from the luxurious ease, and with the use of a small the tiles for stone floors, known as Mossic. top of the place to be ventiated into the ainount of force. A neglected lock requires 'The quarries are worked mostly by Welsh-open air, such tube being longitudinally divgreat violence to cause it to shut, and withmen, who vere familiar with the business ded into equal parts, The hot air asecmls so mich violence that the whole house, its before coming to this country. The refuse on one side and the cool descends on the doors, its windows, its very floors and joints, slate is ground, making a very fine material olher, and effects a perfect ventilation withare much shaken, and in time they get out for paintiug.
out producing a dranght or nunecessarily of repair in all sorts of wars, to say nothing $\Delta$ s a matter of economy, the slate must cooling the room. 'The upper part which is of the dust that is dislodged every time fhe in time come into general use. It is fumish- in the open air is protected by a cap. A place is so shaken. . The incessant banging ed at a price but litue above that of the besp 33 inch ventilator, made of rinc, and of doors, scrooping of locks, creaking and singgles; it is not, like them, liable to take costing $\mathscr{E}$, will completely remove all screaming of linges, is a great discomfort. fire from sparks from chimncys or clse efluvia from a four or six-horse stable. Eyen the bell wire cranks should be some-where, and will last a long time. We have Eiconomist. times oiled, and they will act more certainly seen it slated that an old house was torn and with such gentle force that there will be down lately in Boston-the slate from the little danger of breakiig any part of them. roof of which sold for eight dollars a spuare The eastors of tables amd chairs should be -after covering the house for more than a sometimes oiled, and they will move with such hundred years. A square of state will eover gentle impulse and so quietly that a sleping about the same superticial area as a thousand child or old man is not awakened. A well- shingle. For suburban cottages, a very oiled door-lock opens and shats with hardly pretty roof may be made by using the diflera whisper. Three penayworth of oil used ent colors of slate in alternate squares. in a large house once a year will save many stiillings in locks and other materials, and in the end will save many pounds in even the substantial repairs of a house ; and an old

There is abundance of fine slate in Canada and it is now to be bad to purehnse in Montresl, Quebec and oller Jeading towns. - Ed. Famer's Journal.

Setting Hens.-In seting hens, thirteen eggs is enough to give them; a large hen might cover more, But a few stronger well-hatched clicks are better than a large brood of weaklings, that have been delnye
slate for rooghg pubposes.
What shall we use for roofing for our time, from insulficient warmih. $t$ the end buildings, is a question that is yearly becom- of a week, it is ustal, with selting turkeys, ing of more importance, as shingles that are to add two or three fow's egss," to teach generally used for farm buildings are every the young turkeys to pick." The plan is scason becoming searecer and dearer and are not a bad one; the activity of the chickens at best very imilferent for the purpose. doos stir up sone cmulation in their larger Many substiates are proposed, but for lara-brethern. The eggs take but litte room in bility, beanty, and comparative chenpuess, the nest, and will produce two or three pory slate is probably the best thing that can be fine fowls.-10. Kintlazn, Abany. used. Mraty catuses have conspired berctofore to bring flis material into disrepute in Ventilation of Faral Buildings.in some section. Oie was, ignorance in Most of the stables and cattle-sheds in those working quarres, of what shoud be modern farm buidings are defective in reused and what rejected. It was sipposed gard to ventilation. Nor is the remedy that the sealy material alone could be split ensy. Openings in the lower part of the to the requisite thickness, and that the sold buidding for the admission of cool air invaristone could not be worked; but with more ably produce dafts and currents of cold air experienced workmen, the sealy stone is now are by no means conducive to the licath or rejected and the solid only used. Of the comfort of stock. For cattle, indeed, we slate, there are various colors-black, blue, are satisfed that a shed open on one side is red, ive, found in different localities and oc-altogether the best, where the animals are casionally in the same quarry. The writer kept in boses. Where they are tied up to had the pleasure a short time since, of visit- the manger, they have so bitte opportunity ing the quarries at North-Hebron, Wash. of choosing their position, and are so little Cu., N.Y. The state found here, is of a in motion, that a close building is generally fine red color, and said ly good judges to be thongit to be necessary. In all such cases proved true in regard to other kinds of of a very superior quality. No shate of this a good plan of ventilation is much needed. seed. Our phumpest and earliest graius color had, until within a year or two, been $\mathrm{Wi}_{\mathrm{c}} \mathrm{l}$ lave been in many cattle buiddings have always been reserved for propagation, known to exist in this country, the few spe- erected at great cost, in which the atmos- aud our neighbors can testify that our praccimens seen being imported from Wales or phere is vithated, both from want of freshar tiec has been attended with good results.from France. A Welshman, who had beenland from the manure. At a recent inecting American Agriculturist.

We have given no littie aftention to this subject for many years, and have settled the mater conelusively on our minds, that it does not pay to plant small feed. For fifteen years we phanted the same mameless variety, on the same soil, and at the end of that time foumd no deterionation in the quality or yield, but rather an improvement. We hase invariably thrown out from our seed all potatoes fess in size than a hen's egg, and also rejected those overgrown, pithy orirregular slinped.
In some favorable seasons, and on particuar soils, those purelasing and phanting the small potatoes which we have rejected, have raised crops equal to or more prolific than our own; lut one year with another, we have averaged thirty to fifty per cent. better crops of grod notatoes, than our small notato neighbors.
What we have found true in regard to potatons, we have also, by long practice, proved true in regard to other kiads of
seed. Our phumpest and carliest graius
an american traveleer in russia. will be assailed by the British and French flect.
St. Petmannug.-Alter thavelling six I came here, believing that the conquest nights and seven dinys withont resting, I am, of the Crimen would end the war. I am here a member by invitation, of the lamily now thoroughly convinced that it will proof Gov. Seymour, of Counecticut, our tract it. All that you hear through EngPlenipotentiary at the Court of Russia. On fand about poverty and distress here, is false. Friday I made the acquaintance of Count 'The Emperor's popalarity imputable to his Nesselrode, for thirty yearspast the Russian excellent private character and his figure Minister of Forcign Aflairs, a gentleman and personal address is unbounded.
who has not wrinkle on his brow, and who The manufacturer of hussia are so far toh me was within two gears of my age, adranced as to supply all her wants, and the and consequently. $7 \%$. $A$ man of more weallh of this city alone concentrated upon tamiable address I never met with. He her churches, would sustain an army of proposed to introduce me to the Emperor, 500,000 men for a twelvemonth. She has offered me a letter of introduction to the entered upon a war not anticipated, and for Russian Commander of an army of 35,000 whieh preprations are to be made. She men at Revel, and inqured if I had a chams an armed force of two millions, and military costume with me, that I might to-fcan readily raise one half that number, and day accompany the Emperor to a review of that she is now doing.
40,000 men. He was opposed to this war, I im a Turk in this contest, and thercfore and is universally regarded here as a man of impartial in these estimates. C. D. M. great virtue, as well as of great intelligence. Lonisvil/c Journal.
In a fow days I shall proceed to Revel, leaving most walied, I may say beloved Russiau friends, who accompained me from Cane of Catriar- $\lambda$ man who takes Rome to Naples, and nursed me at the ness. Never hire a man to take care of former when hail up and attended by a farm stock anless he shows an inclination to physicinn whose preseriptions were much be with then much of his time in preference less efficient than their kind attentions. Mrs. to sitting by the fire.
de G. speaks six languages, among them the Cattle should be carefflly altended to in English as well as I do, and free from all the fall, just before the winter commences. forciga accent. She is the most beautiful-'They will eat of the poorest hay if they woman J have seen in Europe. Her hus- can get it, while they are jet pernitted to band speaks seven flementy, and in all respects ran at harge in the pastures.
worthy of the fincst woman I. have met Let them have some of the poor hay and with since 1 left America. I spoke most learn gradually what they must come to behighly of them to Count Nesselrorle, as If Fore the winter is over. Fall feed is shortshall to the Emperor, if I have a suitable er than usual, and other food is in demand;opportunity. But he is at present, I have but cattle must not be sulfered to go hungry, no doult, greatly depressed by the recent thongin hay and grain may be dear.-Masnews from the Crimea, where Nenselikikoff is sachersetts Ploneghaten.
said to have lost $5,000 \mathrm{men}$ in the encounter with the Allies at the river Alma, where he attempted to arvest their march upon Schastopol. The govermment here acknowledged the loss of 4,000 out of 35,000 of Menchikofl's army. Of the fall of Sebastopol melancholy forebodings are entertained by the Russian population leere, and as it is assailled ly $66,000 \mathrm{men}$, the present force marshalled against Fort Constantine, whith commands the city and harbour, I have never entertained doubt.

But of the effect of tisis reduction I linve altered my opinion since my arrival here, for I have heard and seen at two large dinner parties, one German and one American, given in the last week, more of the country I am in, than 1 did of Prussia in Berlin, France in laris, or the three great cities of Italy in all my much longer visits to any of them.

I find K., formerly Secretary of Legation and Consul Gencral of Russia, at Alexandria, in legypt, andat London, a most valuable and intelligent acquantance. THe is the uncle of Mrad. de G., and is to accompany the shortly to Revel, which, it is said,

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