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U. Sessier Eg



### TRANSACTIONS OF THE LOWER CANADA BOARD OF AGRICULTURE

Vol. II, No. 8, Montreal, December, 1854.

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PRICE 2s. PER ANNUM, IN ADVANCE

The Farmer's Journal

CANADIAN PRODUCTS AND THE PARIS EXHIBITION.

We have received from the "Commis sion Imperiale de l'Exposition Univer selle" in Paris all the documents which have emanated from that Commission, and as France at the great gathering of the indusrists to be well informed in respect to the gical structure, geographical features, natural Universal Exhibition of 1855. classification and arrangements of the pro-produce, manufactures, commerce, social, posed exhibition, we shall from time to time, educational and political institutions, and nublish such documents as will keep the Cana-general statistics. dian Farmer fully informed upon the subject.

the Imperial Commission, has been to group inasmuch as they have to be forwarded to together not only all the products offered, the Committee by the 15th February next, but also the substances from which the pro we feel assured the competition will be acducts are obtained, the implements or instru-tive, and the result serviceable to the counments by which they are elaborated and pro-try. If the Canadian Commission will follow cured, and the theory upon which the greatest the plan of the French Imperial Commission, results may be attained at the smallest ex- and have the Prize Essays printed in different penditure of time and money. By taking European dialects, and circulated in France, this enlarged and comprehensive course, the Germany, Denmark, Sweden, Belgium and greatest possible service will be rendered to Holland, as well as in the United Kingthe industrial arts, and in order that this ser-dom, a large emigration will probably be vice may be diffused as widely as possible, the the result. The introduction of new Imperial Commission invites, and the Cana-races of men is calculated to improve by dian Commission has re-echoed the sugges-intermixture the physical condition of existtion, that descriptive accounts should be ing races, and as they bring with them the given, whenever it can be done with advan-arts, and industrial knowledge of other lands, tage, of all improved processes, and that they improve at once the mental, physical such descriptions should be printed in various and educational condition of the people, belanguages, for the benefit of all nations, who sides furnishing the supply of labor which will profit by the discoveries and improve-the country so much needs. ments made.

Although the time for preparing and The principle of classification, adopted by sending in these Essays is somewhat short,

For these various reasons we regard the

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 especially to our agriculturists, the Canadian Commission have deemed it who may feel the advantages it will 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 earnestly hope the agrioffered for public competition three prizes of culturists of Canada will respond heartily to Canada ought to be well represented in £160. £60 and £40, for the three best Es-the demands urged upon them by the Canasays presented to the Commission, on the sub-dian Commission, and that this fine country trial world, and as it believes our agricultu-ject of Canada, and its resources, its geolo-will be well and worthly represented at the

> SYSTEM OF CLASSIFICATION FOR THE FRENCH EXHIBITION.

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 exhibited, 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 exhibitor of presenting to the world the results of his study, labor, and expenditure.

CLASS 3 .- AGRICULTURE.

1st. Section .- Statistical Documents and Specimens.

Charts of the Theory of Agriculture. Plans for laying out Estates. Specimens of Soils and of Sub-soils. Specimens of Manure.

Chalk, Land-shells, Sea-shells, &c. Lime, Plaster, Potters Clay, Cinders and Ashes.

Phosphate of Lime, Bones, Animal Remains, &c.

Marine Plants decomposed, Terrestrial do.

Guano, Powdered Faces, Farm Manure and Street Sweenings. Liquid Manures of various kinds.

2nd. Section.—Progress of Husbandry.

Drainage.-General plans and modes of drainage.

Irrigation.-General plans and modes of operation.

Buildings .- Plans for dwelling-houses.

Buildings for Stock .- Plans of stables, oxstalls, cow-houses, piggeries, sheep folds, &c.

Buildings for Farm Produce. - Barns, granges, lofts and out-houses.

Special Buildings,-Dairy, cheese-rooms, drying and smoking rooms, ovens, &c Wells, Pumps, Ponds, and Reservoirs. Gates, Doors, Barriers, Pens and Folds.

3rd Section .- Agricultural Implements Ploughs, Harrows, Rollers, &c.

Spades, Hoes, Rakes, and all Tools used for preparing and pulverizing soils.

Implements employed in pruning plantations, collecting seeds and distributing manure.

Implements used for collecting crops. Scythes, Sickles, Knives, Reapinghooks,

Rakes, Forks, &c. Machines for mowing, reaping, &c.

Implements for preparing produce for sale to the consumer.

Flails, Threshing Machines, Rollers Winnowing Fans, &c.

Straw Cutters, Root Cutters, &c. Presses, Seed Crushers, &c.

Moveable Granaries, Portable Mills &c.

For Transporting Produce.

Barrows, Trucks, Baskets, &c. Carriages, Carts, Waggons, Sleighs

Barges, Boats, Rafts, Canoes, &c. Motive Powers to Agricultural Implements. 7th. Section .- Industrial Arts connected Steam and Animal Power.

Specimens of Furniture Fittings and Uten-The management of the dairy and cheesesils best adapted to farm-houses.

stables and buildings for stock.

Do. Dairies, Cheese-rooms, &c. sumption and for stock.

Do. of preserving fruits and flowers.

4th. Section .- Produce of General Cultivation.

Grains .- Wheats of every variety, Barley, Oats, Rye, Maize, Buckwheat, Rice, Millet, &c.

Oleagenous Products .- Rape, Sunflower, Poppy, and its varieties.

Vegetables and Plants of which the roots o leaves or seeds are used as food.

Artichokes, &c.

Roots — Carrots, Parsnips, Turnips, up to the present time. Beets, Radishes, &c.

Bulbs .- Onion, Garlie, &c.

Fennel, &c. Salads .- Lettuce, Endive, &c. Other Vegetables .- Cabbage, Spinach

Asparagus, &c. Champignions, Mushrooms, Truffles, &c. Cucumbers, Pumpkins, Vegetable Marrows

Melons, &c. Colouring Vegetables. - Madder Indigo Saffron, Sumach Woad, Carthamum

Textile Plants .- Flax, Cotton, &c. Plants for Use .- Tobacco, &c.

Grass.—Prairie and Meadow Grass, Lu cerne, Trefoil, Sanfoin, Spurry, &c.

5th. Section.—Produce of Special Culti vation.

Cultivation of Trees and Plants. Best modes of cultivation and reproduc

Planting, Grafting, Sowing, &c. Produce of Trees.

Farinaceous .- Chesnuts, Acorns, &c. Oleageneous. - Olives and various nuts. Fruits employed in the preparation of Fermented Drinks, Apples, Pears,

Best modes of cultivating Trees for ornament, and for dividing land. Do. Flowers indigeneous and exotic.

6th. Section.—Rearing of Stock.

horns, hoofs, hair, wool, blood, &c. The rearing and management of poultry

the use of feathers, quills, &c. The rearing of insects, the bee, the silk worm, the cochineal, &c.

with Agriculture.

room.

Best system of fitting up farm-houses, The uses and collection of the textile products of animals, wool, hair, &c.

The preservation and preparation of grain. Do. of preserving food for home con-The construction of mills, distilleries, oil works, &c.

#### PARMING IN FRANCE.

Tubers .- Potatoes, Sweet Potatoes, result of our united observation, to afford a good general notion of farming in France

The districts with which we are most Herbs .- Parsley, Time, Mint, Sage, familiar are the departments to the north and east of Paris, they include the large agricultural district which stretches towards the Rhine and the Meuse on one side and the sea coast on the other. The principal towns are Abbeville, St. Omer, Compeigne, Rouen, Caen, and the coast towns of Havre, Dieppe, Boulogne, Calais, and Dunkirk, all of which cities we have visited for a greater or shorter period. We take first the department of the Oise to the north of the Capital. The country here is generally undulating and open, the formations calcareous, and a continuation of the great chalk basin which stretches from Paris northwards. In some districts the soil is six feet deep, in the valley of the Oise the alluvial deposits are of great depth, while in the highlands and more elevated portions of the country, the chalk rises to near the surface, and is only covered by a few inches of light soil.

The farmers, as a class, are wealthy, much of the property is farmed by the owners themselves. The French law divides the whole of an estate, whether heritable or personal, equally among the family of the Essays on the acclimating and introduction personal, equally among the family of the of Trees, Plants, Vegetables and deceased, land is necessarily much subdivided. Still, subdivision is not generally carried out to an injurious extent as regards the The breeding and rearing of animals, their size of farms, the immediate neighbourhood manures, and the employment of skins, of cities and towns excepted. The size of the farms is large, those of the small proprietors excepted. The average size is about from 600 to 700 acres, but there are several above the latter. The length of the lease varies; 10, 18, and even 38 years are com-

or £4 sterling per French hectare; and the land-tax, amounting to about 13 francs per hectare, is also generally paid by the tenant. The farmers, though well off, are frugal, both as regards dress and living; their wives are "the very impersonations of industry." The French farmer's wife takes a lively in-It will be interesting at this present time terest in the homestead, and is as ready to to our farmers to know as much as they show a stranger over the whole as the farmer can of the state of farming in France himself, being alike at home among the cat-We traversed the country in 1853, and will the in the straw-yard 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 Farinaceous.—Beans, Peas, Lentils, North British Agriculturist visited France number, the farmer's wife has her hands full. in 1854, and we hope to be enabled as the "Still she never appears to overlook the

The usual rent of land is about 80 francs

essentially the well bred woman."

men, the wives living away from the farm in placed beside it at night to prevent the manufactured into sugar and brandy. his labor every Saturday evening. The a not uncommon crime. The sheep are forming the principal stock. The pigs are a year. The women are employed in attend-sheep. A good many Leicesters have been and pigeons are more numerous in the ing to stock, weeding and clearing land, and of late introduced, but in general they are French farm-yard than in any country we during harvest they carn from 4d to 6d a leggy large framed animals and do not lay on know of. Some horses are reared for the day, and the men on day work from 10d to flesh fast. In winter the sheep are altogether saddle or harness and fetch good prices. 18d during the winter, and from 1s to 1s 8d housed and fed on lucerne and sainfoin hay, The English or Arabian sire with the Norare considered high, and are seldom given they eat. The horses and cows also eat a wood for fuel, is severely felt by the rural sheep and stall cattle. population, except in the neighbourhood of Corn is usually cut with the scythe or the Farmer's Journal from its commencement, Mons, Namur and Liege, where coal sup- "sape"-a Belgian implement introduced and who gave in its pages such earnest eviplies the place of wood for fuel. As a by the Belgian reapers, who go into France dence of his deep scated interest in agriculgeneral rule the necessaries of life are in great numbers during harvest. It ap-tural pursuits, died in Montreal on the 10th cheap, but during the present year bread has pears to be used like the "bagging hook" November, 1854. Mr. Abraham was born risen high, and but for the bountiful harvest in England. The Belgian reapers, seldom in the line grazing and agricultural county of and the care of the government to prevent earn more than about 80 francs, or £4 Cumberland, where he first imbibed that monopoly, the price of bread would be sterling, during the harvest, but they are fondness for the country and its pursuits, higher still.

crosses of the Flemish and Norman.

lambs taking their place.

tive kind, a plain fallow, a green crop being height and good ventilation of the buildings. the manly and athletic sports and exercises, followed by two cereal crops, wheat being The vine is cultivated in the lower val- which prevail in the rural districts of the taken after the fallow or green crops, fol-leys, but the wine is sour and inferior; the northern counties of England. He took a lowed by oats. The wheat crops average temperature not being high enough for pro- Degree as Doctor of Medicine in the Unifrom 18 to 23 bushels per acre. But the ducing wine of even ordinary quality. The versity of Edinburgh, and practised his proproduce this year will be considerably above district is chiefly a cider one, which is also constine in Whitelaven. Subper acre. Rye also gives good crops, but ducing good cider. Apple trees occasion- cal journal in that town,-he removed thence part used for the stock and for the folded of which the apple and elm are the most marked ability a leading newspaper. He

the village, and the husband returning from sheep from being stolen, sheep stealing being Few cattle are reared or fattened, sheep ploughman's wages with board range from mostly crosses, the best being from the long legged spare animals. The poultry are 200 to 300 francs, or £8 to £12 sterling, Spanish Merino tup, with native breeds of remarkably fine and kept in large numbers, per day during summer, but the latter wages and bedded with oat straw, part of which man or Flemish mare being preferred. except during harvest, and to the best hands. good deal of straw. Turnips are little ROBERT ABRAHAM LATE EDITOR OF THE The high price and increasing scarcity of given, but sometimes beet is allowed to the

this average. Oats average 40 bushels very indifferent; calcareous soils not pro-sequently Mr. Abraham conducted a politibarley is seldom productive. Part of the ally line the sides of the roads; the public to London, and afterwards to Liverpool, clover and tarcs is cut for safe in the cities, highways being generally lined with trees, where for many years he conducted with sheep. The horses and cows and part of common. Cider and the wine of the dis-came to this country about ten years ago, the sheep and tups are confined to the stalls trict are obtained at very low rates, and are and was editor and proprietor of the and pens summer and winter. If the sheep used during harvest operations by the rural Montreal Gazetie, and afterwards edited are turned out during the day in summer laborers. Hemp is also grown on small the "Transcript" displaying great ability in

toilet, and in dress and in manner is always three dogs to keep them from tresspassing, Fruits are also grown for sale, but not to the lands are generally open and uninclosed, great extent. Bacon hams are cured in One man to 25 acres of land is the usual and the lynx eyed dog is upon them if they considerable quantities in certain districts, compliment of labor on a French farm attempt to stray. The shepherd stays night but the trade is not extending rapidly-Ploughmen are generally boarded in the and day with the flock, in a small cot con-sheep being preferred to pigs. The chief house, sleeping over the stables. They marry structed of wood and mounted on wheels production is grain, wheat, and oats, and in early, and the laborers are frequently married This cot is moved with the fold, and is certain districts beet is cultivated for being

FARMER'S JOURNAL.

This gentleman, who has conducted the nevertheless decently clothed and respecta- which shew themselves so constantly in his The breeds of cows kept are chiefly ble-looking men. The grain is stacked in writings, and which did not leave him until the fields, partly from apprehension of in-the breath of life had left his body, for The proportion of sheep kept seldom ex-cendiarism. The grain is allowed to become according to one of his biographers, his coeds one sheep for the acre of cultivated dead ripe before it is cut. Thrashing-thoughts to the very last, wandered among land, and as upon small holdings no sheep machines of a simple construction are used green fields, and beds of flowers cheated his are kept, the numbers do not reach one with horses. Farm buildings are generally imagination, as he descended the dark path sheep for each acre of land. The system is large and commodious, built of stone, with which leads to the valley of the shadow of to breed, selling off the older sheep, the slate or tile roofing, or thatched roofs. The death. Mr. Abraham was originally a man farm horses and other live stock are very of robust and hereulean frame, and was The system of cultivation is of a primi-healthy, which the writer attributes to the famous as a young man for excelling in all they are attended by a shepherd and two or holdings in the deep alluvial damp soils the conduct of both journals. Mr. Abrahim best.

#### THE FALL OF THE LEAF.

may be because of the arrival of old age, ches. - Literary Journal. but this is a phrase which explains nothing. One would naturally ask, moreover, why some leaves remain on the tree the whole understand these thing we must first learn Sharing alike our weariness and rest; what the leaf is, and how it is joined to the Who lives the daily partner of our hours layer of bark, pushed outwards and stiffened Partakes our chearful meals, partaking first by tough fibres, which pass into it from the In mutual labour and fatigue and thrist; wood and from its veins. By these means, The kindly intercourse will ever prove a simple and very curious apparatus is con- A bond of amity and social love. structed, the green or bark part of which, consisting of small bladders, acts as stomach boy, many years ago; and it is his idea, time. But the fluids of plants are not intercourse of life shall prove watery; on the contrary, they contain a great deal of earth and other matters which they denosit every time they pass over the

his name and memory will be associated Something of this sort takes place in the in-sings. And we believe this to be an object his name and memory will be associated in the minds of our readers with many side of the bladders and fibres of a leaf; as worthy of culture and care, as were the they are at first quite clean, but by degrees glowing fruits and golden grain of the orchand admirable contribution to its pages. They are furred till their sides are rendered and and the fields. These will sustain our so thick that the fluidon which the leaf feeds physical nature, but that will strengthen the the profession of the Law in Montreal, and can no longer pass through them very read-immortal part, by giving elasticity and connothing can show the wonderful versatility lily. As soon as this happens, the leaf begins tentment to the mind. of his talents more, than the facility with which he mastered the details of his new profession. About two years ago, In summer time, leaves are always falling may be more constant in her courts, because his general health began to fail. His off as they die, those on the lowest part of better opportunities are afforded for thought mental powers had been overtasked, and the branches falling first; but we do not re- and application than in summer months. We symptoms of softening of the brain, and threatenings of paralysis appeared, to warn why a leaf falls off when it is dead seems to earth and stones upon which they tread—in him that the time appointed for all men was be this: the bark to which it is attached the air they breathe-in the leaves which fast coming to him. He died on the even goes on growing and expands; the leaf-dance upon the breeze-in the sunlight and ing of Friday, Nov. 10th, leaving a widow stalk, as it dies shrivels and contracts; the shade, the vapors, frosts, dews and clouds. but no children. He was a man of genial contracts; the consequence of which is, that Each will impurt some useful truth to him but no children. He was a man of genial the one separates from the other. It is, in who is willing to seek it. Wisdom is the habits, enlarged heart, and kindly feelings, fact, just what happens when a piece of iron price of careful application-it cannot be and is much regretted by those who knewlis heated and then cooled; the outer part, gained by idle and listless minds. Study which is an oxide, cools much quicker than and labor will overcome all obstacles; books the inner part. The metal contracts, but and teachers are now abundant everywhere, as the metal and the surface cool at a differ- To become an earnest student, it is not ent rate, they also contract at a different necessary to enter the school-house with The fall of the leaf is a most curious cir-and so separate. Such is the case in the modern desks and seats and conform to circumstance, and has puzzled many a wise summer time; and, when the frost comes in codes and regulations. An active mind philosopher. It cannot be merely because the autumn, something of the sort takes will find objects for research and contenof the cold to which the leaf is exposed; for place. At the time the leaves are generalplation everywhere, in every employment
when a frost in June blackens our hedgely in a dying state, for the reasons already and place. If these occupy his attention, rows and desolates our gardens, the leaves explained; a partial separation has, in fact, they will lead him to books, and these will do not fall off, they only wither and die. It taken place between them and their bran-reveal to him the thoughts and efforts of

#### NOVEMBER.

winter, though others fall so early. To "With kindred pleasures moved, and cares opprest, proved that they were students, all the branch. A leaf is the thin part of the outer Through every change of heat, and frost, and show- business of life, rather than to be nice and

Thus sang Bloomfield, the poor shepherdto digest with and lungs to breathe with, conceived amid the toils and hardships inciwhile the fibres convey food and air from the dent to such a condition, that we should like branch into the stomach and lungs. Now to introduce into the family of every farwhen the leaf is first formed, its bladders and fibres have very thin sides, and whatever is introduced into them is readily returned with great propriety, hang or drown them again: and if what they receive was quite to the mid will stretch away into other again: and if what they receive was quite to the mid will stretch away into other again: and if what they receive was quite to the mid will stretch away into other again: and if what they receive was quite to the mid will stretch away into other again: and if what they receive was quite to the mid will stretch away into other again. again; and if what they receive was quite selves, on account of its gloom, but rather studies, and scan the pursuits of other men pure, it is not improbable that they would with the poet, that each shall be with kind go on receiving and returning for a long red pleasure moved, and that their kindly arts.

#### " A bond of amity and social love."

ham edited the Farmer's Journal, and lined with a substance like hard carthenware. Idelightful insercourse of which the poet

other minds as carnest as his own. Men of great acquirements, dull over systematic lessons, and restive under arbitrary rules, have filled the ear of the world, and thus while, in the great school-room of Nature. They prepared themselves for the active [ers; critical in mere book-learning.

For this preparation, none have better opportunities than the young farmer. Six months of the year afford him has much leisure as is desirable for study and investigation, and during the other six, while engaged in his out-door pursuits, he may apply his acquirements to the things about him. In this way his mind will become stored with through the whole range of the science and

November, then, may be a pleasant and profitable month for the farmer. It has its characteristic, but they are not sad ones. It And how much cause there is for this in throws off its robes, as a warm man his coat, We know that when a kettle November, about the farmer's home ! Bene-because it no longer needs them. November first comes home from the ironmonger ficent Heaven has crowned his labors with winds and storms remind us of the necessity its inside is bright and clean, but as soon as with success. His barns, and granaries, of making our dwellings all tight and convewe have boiled any water in it, the inside and cellars, are filled with the fruits of the nient for the still ruder winds and storms of becomes a little furred, and when it has been earth; his cattle come to their winter home more rigorous months. No house can be thus used a great many times it becomes sleek and fat with rich pasturage, while his kept warm where the underpinning is loose, very much encrusted, till at last it is quite cheerful fireside attractions invite to that and the wind sweeps under the floors. Roofs should be made tight, and the barn close, where the animals stand.

fed liberally.

Carrots and beets must be gathered be-

covered a few inches deep with litter.

ready to hunt up a neglected ear that has during winter. escaped his hearty blows. In the farm-yard We never open the frames in freezing holes or cellars, almost air tight, and we see the cattle knee-deep in the broken weather. When it is warm, the shutters are kept more unclean than in public sta-straw which the thrasher has turned out may be lifted over part of them. It is not bles. Horses are often stabled upon floors and lowing wistfully over the fence, as if necessary to cover the boards with hay or one above another. It is difficult to say they wondered what summer had done with straw. Lettuce grown in this way, comes which tier is worse off, since the gas from the all its green, and seeming to say, as plainly as early as hot-bed plants are usually brought cellar rises to those above. On the corner as they can speak, that they like not the dry to market. No preparation of the soil, other of Grand and Mercer-sts., New York, a large

AMERICAN INSTITUTE FARMERS' CLUB.

NEW YORK, Nov. 21.

Judge Livingston in the Chair, HENRY Meigs Secretary.

[A correspondent writes us that he suc- a close stable, animals eyes suffer. and turkeys around the hives, and afterwards kind of cattle out-door. places feed there over night, so that the The word vitality is often wrongly used. did not do. 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 grass. By this plan he has form fat, flesh and bone, in proportion as a friend in California, inquiring how the seeds

Cold Frames.

Cattle and hogs should be fatted rapidly of cold frames—that is, frames for the pre-extreme cold, more food is necessary. now, both having dry and warm beds, and servation of plants, such as cabbages toma- Dr. Waternown-Gum, starch, sutoes, &c., through the winter—Prof. Mapes gar, are the sources of heat. He thinks said that he always prefers cold frames to that a horse not worked will keep better on forc heavy frosts-turnips 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 tender Hardy, bulbous rosts, such as hyacinths, 12 to 15 inches high and from three to six disease. Horses are liable to the same distulips, crown imperials, lilies, narcissus, &c., inches, to give a pitch to covers. Raise eases as men. can be planted as long as the ground remains the plants from seed in the ordinary way and open; but the beds should be immediately set them in the frame, and, when cold weather in this City are kept in dark cellars, and comes on, cover with shutters like batten constantly breed disease by want of light and 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 plants 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.

The advantage in where each horse has not a breathing hole "We now hear the busy stail in the barn, caulislower and brocoli is very great. Rhu-twelve inches square, and scarcely a ray of as the thrasher pursues his task from day to barb plants are much hardier and more likely light, and no exercise except walking a few day, never 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 family of fowls, ever ing. The plants need scarcely any care who keep but a single horse it is still worse,

frames, in raising cabbages, by planting by place of worship; I do know, that those the sides ridges, and covering the plants by who stable horses in unventilated stables. matting. It is a good plan for those who like the basement of that church, have no will not build frames.

Ventilation of Stables.

Prof. Mares remarked upon this subject.

form flesh only. To transform these sub-Upon the subject of winter management stances in the stomach, heat is requisite. In

Solon Robinson-Many of the horses for at night they are shut up in these close provender which is given to them, and care than good garden mould, is necessary. church has been turned into a horse-stable, not how soon they are ankle-deep in the rich, Mr. Vail said that some of the Long I don't know how much pure and undefiled luzuriant grass."—NewEngland Farmer. Island farmers have a substitute for cold religion dwelt there when it was used for a " A merciful man is merciful to his

mercy. beast." In twenty-fourth-st, an average of five that the combustion of food was similar in hundred horses are kept in stables upon two the animal's stomach as in the stove. Hence, blocks, for sale. The stables are mostly a stable should be kept at the right tempera- above ground, yet those who use them are The Secretary read an interesting ture as a matter of economy. A man ren-constantly in dread of an opthalmic disease, paper, from the French, from a work trans-ders 12 gallons of air a minute unfit for fur-lealled the pink-eye, which attacks horses mitted by Mons. Vateuere, upon the subject ther use. Air is not only injured by breathfrom the country, and injures their sale. It
of Bees. The eggs hatch in three days ing, but by the surface of his body, and an
arises from the excess of ammonia, and want
The worm remains five days to the first ox inclosed in a varnished bag, with his head of ventilation, and light. If the floors were change, three days to the next. In eleven free, will die. A healthy stable will have kept white with plaster the disease would days a queen assumes the form of a bee, but the ventilation so arranged that a current disappear. Disenfectors are scarcely ever white. In seventeen days she is perfect, will not impinge upon the animal. All statused here in the city, where most needed. She lives several years. Her body is black, bles should be cleaned every day and mixed Stables cannot be made too light, or with and legs and feet yellow. She is the mother with something to save the gases. Mr. Mapes too much ventilation. The Government of of the whole colony, and they will all follow is opposed to box feeding. Heat may be re-her lead. Swarming time may be known tained, and yet a good ventilation given, see in cellars—it is a cruelty to animals, and by her singing. She lays eggs in forty-six Double boarding is one of the best arrange- nuisance to people, ten times greater than hours after fecundation, and will lay 60,000 ments; that is hollow sides. Charcoal dust, city cemetaries. It is a much-needed rea year. The old queen always goes out with decomposed muck, plaster of paris, or diluted form, that a Reform Common Council may sulphuric acid, will absorb the ammonia. In very well busy themselves about. The use of one dollar's worth of plaster, copperas, ceeds in effectually keeping the moths out of Mr. VAIL-My father's experience is sulphuric acid, or charcoal; all easily obtainhis bee-hives by keeping them on a grass, this: One lot of cattle were kept in warm, able in the city, would often save one hun-plot, which he keeps mown short, where he ventilated stables, and produced more milk dred times the cost, in preventing sickness, feeds his poultry. He pens young chickens and better manure, with less feed, than same or saving the lives of horses. Shall we ever learn to do anything that our grandfathers

Bugs on Vines.

entirely got rid of the pest of the bee-moth.] they are eaten. Nitrogenous substances of water-melons succeeded (which he had

sent him from melons that weighed sixty pounds each.) Mr. S. stated that he lost all his vines by striped bugs, which, contrary Cookman, 15s; 3. Henry Winterbottom, to all theory, attacked his vines after they 10s; 4. Ralph Moore, 5s. were loaded with fruit, and by eating the leaves destroyed the whole vines. They did the same thing to his bearing eucumber vines, in September; and he wants to know how to prevent a repetition of their ravages. 30s; 3. Henry Stephenson, 20s; 4. Narcisse

Prof. Mares—I have never known such Letourneau, 10s. old vines attacked. I keep bugs off young vines by a simple four-sided box, ten inches square and ten inches high. There is no need of glass or cloth over the top.

The CHAIRMAN-I have saved my vines by dusting them with air-slacked lime and plaster mixed in equal quantities.

Prof. MAPES-A dusting of snuff or char-

coal dust is generally effectual.

no good. I only stopped the ravages of the Robinson, 35s; 5. Aaron Miller, 30s; 6. bugs by pulling up the vines and throwing John Borrowdale, 25s; 7. Ira Fosburgh, them, bugs and all, into the fire.

cember is, The best Manner of Preparing Fuel, including the proper time to cut it, and Wood compared with Coal; and also, Woodworth, 20s; 3. Francis Cookman, 15s; 4. Peter Robinson, 10s; 5. George Lahouse .- N. Y. Tribune.

PREMIUMS AWARDED BY THE AGRICUL TURAL SOCIETY OF THE COUNTY OF HUNTINGDON, NO. 1, FOR 1854.

ON GRAIN, GREEN AND ROOT CROPS.

Wheat.

- 1. Alex. Graham, 25s; 2. James Stott, 20s; 3. Jas. B. Maston, 15s; 4. Joseph Whiteman, 10s; 5. John Remington, 5s. On Pease.
- William Lindley, 25s; 2. John Borrowdale, 20s; 3. William Robinson, 15s; 10s; 3. James McCallum, 5s. 4. Edward Mussen, 10s; 5. George Hay, 5s. On Oats.
- 1. John Stott, 25s; 2. William Robinson, burgh, 10s; 3. Robert Burry, 5s. 20s; 3. Thomas Dolby, 15s; 4. James Stott, 10s; 5. Gilbert Weldon, 5s.

On Barley.

1. Francis Durham, 25s; 2. Alonzo Force, 20s; 3. Ira Fosburgh, 15s; 4. Alex. Graham, 10s; 5. Edward Braithwait, 5s.

On Corn.

- Nyc, 20s; 3. Roswell Canfield, 15s; 4. Maurice Lavalley, 15s. Francis Stead, 10s; 5. Eli Woodworth, 5s. On Potatoes.
- bin, 20s; 3. Robert Outhet, 15s; 4. Joseph Weldon, 15s. Whiteman, 10s; 5. Henry Winterbottom, 5s. On Hay.
- 1. Eli Woodworth, 25s; 2. Alex. Gra-son, 15s; 3. Ed. Mussen, 10s. ham, 20s; 3. Alonzo Force, 15s; 4. Charles Robinson, 10s; 5. Henry Stephenson, 5s. On Carrots.
- William Williamson, 5s.

On Ruta Baga.

On Horses.

Stallions, Aged.

1. William Weldon, 40s; 2. John Bone, Robinson, 5s.

Three year old Stallions.

quet, 20s; 3. William Canfield, 10s.

Two year old Stallions.

1. Ira Wilson, 20s; 2. Joseph Whiteman, 15s; 3. James Stott, 10s.

Brood Mure and Colt.

Mr. STILLMAN-I tried that, but it did Coupal, 45s; 3. Felix O'Niel, 40s; 4. Chs. 20s; S. John Glass, 15s; 9. Rob. Beswick, son, 20s; 3. Henry Winterbottom, 15s; 4. The subject for the first Tuesday of De- 10s; 10. Freeman Woodworth, 5s.

Three year old Filly.

Two near old Filly.

1. David Fosburgh, 20s; 2. William Lindley, 15s; 3. David Barker, 10s.

Yearling Colt.

1. John Bone, 15s; 2. Joseph Whitman, liam A. Canfield, 5s. 10s; 3. Peter Robinson, 5s.

Yearling Filly.

1. Thomas Brisbin, 15s; 2. Thomas Dibb, 10s; 3. Sixte Coupal, 5s.

Three year old Gelding.

1. Wm. Robinson, 15s; 2. Wm. Durham,

Two near old Gelding.

1. Gilbert Weldon, 15s; 2. David Fos-

Pairs Matched Horses.

Weldon, 25s; 3. Robert True, 20s.

ON NEAT CATTLE.

Bulls, Agcd.

1. Henry Winterbottom, 30s; 2. Free-1. William Williamson, 25s; 2. Freeman man Nyc, 25s; 3. Robert True, 20s; 4.

Two year old Bulls.

One year old Bulls.

1. Freeman Nye, 20s; 2. Wm. William- premiums were awarded:

Milch Cows.

1. Charles Robinson, 35s; 2. John On Carrots.

Robinson, 30s; 3. Freeman Nye, 25s;

Alexander Graham, 20s; 2. Roswell 4. George Winterbottom, 20s; 5. Owen Canfield, 15s; 3. Robert Outhet, 10s; 4. Odell, 15s; 6. Gilbert Weldon, 10s; 7. Edward Mussen, 5s.

Two Year Old Heifers.

1. Alexander Graham, 20s; 2. Francis okman, 15s; 3. Henry Winterbottom, 15s; 2. John V. B. Hoyle, 10s; 4. Peter Robinson, 5s.

One Year Old Heifers.

1. Robert Outhet, 20s; 2. Owen Odell, 15s; 3. Charles Robinson, 10s; 4. John

Yokes Oxen in the Yoke.

1. Freeman Nye, 20s; 2. Timothy Hoyle, 15s; 3. George Lavalley, 10s. 1. James Clark, 30s; 2. Constant Bous- Best Lot of Neut Stock, two animals or more, not less than three years old.

1. Freeman Nye, 25s; 2, John Cookman, 20s; 3. Robert Outliet, 15s.

> On Sheep. Rams, Aged.

1. Charles Robinson, 25s; 2. Edward 1. Henry Winterbottom, 50s; 2. Sixte Mussen, 20s; 3. John Robinson, 15s; 4. William Robinson, 10s.

One Shear Kams.

1. Peter Robinson, 25s; 2. John Robin-George Winterbottom, 10s.

Ewes, Aged.
1. John Robinson, 25s; 2. Henry Win-1. George Woodworth, 25s; 2. Freeman terbottom, 20s; 3. Charlas Robinson, 15s; valley, 5s.

> One Shear Ewes. 1. John Robinson, 25s; 2. George Winterbottom, 20s; 3. Henry Winterbottom, 15s; 4. Robert Outhet, 10s; 5. Wil-

> > On SWINE. Boar Pigs.

1. George Lavalley, 25s; 2. Charles Robinson, 20s; 3. Roswell Canfield, 15s; 4. John Stott, 10s.

Breeding Sows.

1. John Borrowdale, 25s; 2. George Lavalley, 20s; 3. Eli Woodworth, 15s; 4. Edward Braithwait, 10s.

On Butter.

1. Eli Woodworth, 25s; 2. Roswell Canfield, 20s; 3. George Lavalley, 15s; 1. John Remington, 30s; 2. Gilbert 4. John Borrowdale, 10s; 5. William Lindley, 5s.

On CHEESE.

1. Alonzo Smith, 25s; 2. Roswell Canfield, 20s; 3. Thomas Brisbin, 15s; 4. Owen Odell, 10s; 5. John Odell & Son, 5s.

The Society's Ploughing Match was held on the 16th October, and a fall of snow on 1. Freeman Nye, 30s; 2. Henry Borrow-the morning of that day prevented as general 1. Ralph Moore, 25s; 2. Thomas Bris-dale, 25s; 3. Wm. Lindley, 20s; 4. Gilbert a turn out as was expected; the weather cleared up about ten o'clock, eighteen ploughmen competed, and the following

Senior Class, over 21 years of age. 1. Robert Ward, 25s; 2. James B. Mastin, 20s; 3. Edward Scriver, 15s; 4. John Watson, 10s; 5. Thomas Cordux, 5s. Junior Class, under 21 years of age.

1. Alex. Graham, Jr., 40s; 2. Watson Outhet, 35s; 3. Robert Stott, 30s; 4. 6. Charles Woodworth, 15s; 7. Chester ting, woollen yarn, &c. Vanornum, 10s; S. Alfred Moore, 5s. THOMAS GORDON.

Sec'11-Treas.

ORMSTOWN AGRICULTURAL SOCIETY.

persons received premiums:

Thomas Steel, South Georgetown, 2nd do ; following persons :-

Prize; John Pringle, do, 2nd do; James gall, Ormstown; 4th do, Mr. James Goundru, thoroughly and ably conducted by Henry R. Sangster, do, 3rd do.

CLASS 3rd .- Milch Cows-Neil Mc-Howe, do. Ewan, Ormstown, 1st Prize; James Sang-

McEwen, do 3rd do.

CLASS 5th .- One year old Heifers .-Jamestown, 3rd do.

CLASS 6th .- Pen of three Ewes .- John McCoig, North Georgetown, 1st Prize; James D. Bryson, Ormstown, 2nd do; Da-gald Graham, do, 3rd do.

Younie, Ormstown, 3rd do.

do; William Cairns, Ormstown, 3rd do.

Benning, North Georgetown, 1st Prize; 23rd, 1847.

John McCoig, do, 2nd do; James D. Bryson, The case has been tried before—in Octomost useful single article there exchibited, Ormstown, 3rd do.

Feltus, Ormstown, 2nd do.

an, North Georgetown, 1st Prize; Dugald for the defendants as to the patent of 1845, INGREDIENTS OF DIFFERENT PARTS OF Graham Ormstown, 2nd do.

Cowan, North Georgetown, 3rd do.

son, Ormstown, 1st Prize; James Cowan, in the charge of the Court upon the question the softest part. Dr. Salisbury, of Albany, North Georgetown, 2nd do, James D. Bry- of damages. son, Ormstown, 3rd do.

CLASS 15th.—Piece of Etaffe.—Alex. the novelty of the inventions covered by the tenth part of the trouble which he requires ounic, Ornstown, 1st Prize; John Cook, patent. This patent of 1847 embraces, as to grind the other.

2, 2nd do. \* A writer in the "Plough, Loom, and Younie, Ormstown, 1st Prize; John Cook, patent.

James Hutchins, 25s; 5. David Paine, 20s; of Jamestown, for specimens of superior knit-jupon the machine for the raker who rakes

first Cattle Show in the village of Durham, potrion, the Judges, Alex. Scott, of Orms-the machine.
on the 4th of October, when the following town, James McWhinney, of Ormstown, and The trial which has just been had was

James Sangster, Ormstown, 3rd do.

1st premium to Mr. Duncan Graham of in the suit, for the infringement of the oriClass 2nd.—Two year old Geldings or North Georgetown; 2nd do to Mr. James ginal patent. The trial was therefore conFillies.—William Rice, Ormstown, 1st Anderson, do; 3rd do, Mr. Alex. McDou-lined to the patent of 1845, and was

ster, do, 2nd do; James Sadler, do, 3rd do. the Committee, stated that it was with great Charles M. Keller and Samuel Blatchford, Class 4th.—Two year old Heifers.— difficulty and only with the assistance of the Esqs., as his counsel.

Gliam Coultar. Jamestown. Ist Prize stape-line and rule that they were enabled to The defences set up were those of want William Coultar, Jamestown, 1st Prize; tape-line and rule that they were enabled to William Waddell, Ormstown, 2nd do; Neil determine who, of the eleven ploughmen, of novelty, non-infringement and an abanshould receive the prizes. After the busi-donment. ness of the day, the Judges, Officers of the patent of 1845 relate to the improvement James Sadler, Ornstown, 1st Prize; Hugh Society, and ploughmen, sat down to a most in the cutting apparatus of the machine, by McKeller, do, 2nd do; Patrick Dumphy, comfortable dinner provided D. Bryson Esq. which that operation is made complete; and

M'CORMICK'S REAPING MACHINE.

ld Graham, do, 3rd do.

William II. Seymour & Dayton S. The importance of these improvements to Class 7th.—Rams.—James Benning, Morgan, of Rockport (N.Y.,) which has the successful and perfect operation of the North Georgetown, 1st Prize; James Coo-been on trial in the United States Circuit machine in all situations and conditions of lin, South Georgetown, 2nd do; Alex Court for the Northern District of New the crop, seems to have been very clearly omic, Ormstown, 3rd do.

York for a week, resulted yesterday in a established.

CLASS 8th.—Ram of one shear.—James verdict of \$7,750 for the plaintiff. The Thus the Cownn, North Georgetown, 1st Prize; suit was brought for the infringement of two of this great American invention have been William Logan, South Georgetown, 2nd Patents granted to Mr. McCormick for im-vindicated by an American jury in a Court ; William Cairns, Ormstown, 3rd do. probements in reaping machines—one Jan- of Justice, and the award of the Council Class 9th.—Three Ewe Lambs.—James mary 31st, 1845, and the other October Medal to McCormick's Reaper at the

eltus, Ormstown, 2nd do. tiff having elected so to confirm it, in conse-ungrateful."—Albany Evening Journal.

CLASS 11th. Brood Sows.—James Cow-quence of the alleged absence of a witness Taham Ormstown, 2nd do.

On which ground the defendants sought to CLASS 12th .— Pair of Pigs. — John put over the trial together. The defendants of damages. Upon all other points the in-shows that it has, also, by far, the richest structions and rulings below were expressly and most nutritious portion uf the kernal.

CLASS 14.—Butter.—William Logan, confirmed. The validity of the patent of If, therefore, a mouse gets into a full bin South Georgetown, 1st Prize; Samuel 1847 was thereby fully established, as the of corn, he is a fool to be spending his time

the cut grain from the platform upon which The above Society's Ploughing match it is deposited by the reel. This patent of took place on the farm of David Bryson, 1847 was reissued in 1853, and since the Esq., of North Georgetown, on the 14th reissue an injunction has been granted by the instant. Notwithstanding the previous frost. Court against Seymour & Morgan to resand the shortness of the notice given, eleven train them from violating that patent by ploughs entered the field at an early hour; making reaping machines embracing an ar-This newly organized Society held their and after each had ploughed his respective rangement of raker's seat or position upon

Alex. Bryson, of North Georgetown, Es-lupon the patent of 1845 alone, the Court CLASS 1st.—Brood Mares for Draught, quires, proceeded to determine who should having held that by the reissue of the origin--Edward Sadler, Ormstown, 1st Prize poblam the prizes, and awarded them to the al patent of 1847 pending this suit, the plaintill had abandoned all claim for damages South Georgetown; 5th do, Mr. John John K. Porter, and Nicholas Hill, Jr., Esqs., on the part of the defence, the plain-

The Judges in handing in their report to till being represented by Gov. Seward and

The inventions covered by this to the arrangement for dividing the grain, by which, in connection with the real, a perfect separation of the grain to be ent The case of Cyrus H. McCormick vs. from that to be left standing is secured.

Thus the novelty, as well as importance ber, 1851 - and resulted then, as now, in a has met with a response from this side of the CLASS 10th .- Boars .- James Adams, veriliet for the plaintiff. The trial was con-water which will go far to refute the truth South Georgetown, 1st Prize; William fined to the patent of 1847 alone, the plain-of the common saying, that "Republics are

CORN.

We have noticed that when a rat, mouse, Alexander, North Georgetown, 1st Prize; then carried the case to the Supreme Court or squirrel, gets hold of a kernal of Indian Dugald Graham, Ormstown, 2nd do; James of the United States, where the judgment of corn, he cars out the chit and lets the rest owan, North Georgetown, 3rd do.

CLASS 13th.—Cheese.—William Bry-trial granted, solely on account of an error this was done by them because the chit was

Beird, Jamestown, 2nd do; Neil McEwen, trial was a very thorough one, and every in cracking the harder parts of it, when the Ormstown, 3rd do.
thing was adduced that could be to destroy softer and richer parts can be had for a

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 large portion of the gluten. The 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. The nitrogenous substan-

521 per cent. The farinaceous 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.

buckwheat or rice, whereas, from the above, oil, and a little less than 2 per cent. of Ryc flour more nearly resembles wheaten it is seen to be "in most respects superior to

its branches, we have never known the roots gested, because more solubre. and larger branches to suffer; and in a thick hedge, with the moderate growth that such a thick growth must have, our severest winters will searcely affect it. And it so introgen.

Barley contains rather 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 hardier varieties, is is well such a thick growth must have, our severest winters will searcely affect it. And it so introgen. happens, that nipping the tips is only benefi-nitrogen. cial to the hedge, operating in the same way as a shearing—an operation too often neor Isabella grapes ripened.

If kept well and constantly cultivated. such a hedge will afford protection against cattle and horses in about five years, not-land, for working men also. withstanding the heading down each spring for a few years, at successive heights, which is indispensable to a good and compact flour has from six to ten per cent. of nitro-country bring upon us! hedge. Without cultivation, the time re- genous compounds, about fifty per cent. of Agricultural progress and prosperity, then, quired will be much longer.

hedge for a fruit garden, as from the innumberable sharp thorns, no fruit-stealer would husks be likely to undertake more than once to pass such a barrier, and he would probably remember the effort for a long time.

### NUTRITION IN VARIOUS GRAINS.

seventy per cent. of starch, from ten to usually about eighty-two per cent.

and a small percentage of starch. The oiling qualities. Thus, in refining our flour to ces are also considerable in quantity-some amounts to from 26 to 30 per 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 value for food. The phosphates ments are from the prize essay of Mr. J. dry matter, while the starch ranges from of the ash also lie, to a great degree, in the H. Salisbury, published by the New York above 10 to 12½ per cent.

skin. The best fine flour contains about 70 State Agricultural 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 exceed 3 per cent, and the albumen 11 residue 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 varieties inferior to ours; they have not

allumen, while it gives of starch 59 per flour 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 differs from all other varieties,

glected in raising hedges. After many years tritious qualities, to flour from any of the trial, we are satisfied it will succeed perfect most of the grains; superior, I have no doubt, to provement and progress without a parallel in most of the floor wheater of the fine wheater of the f ly in any localities where peaches are raised most of the fine wheaten flour of the north-this country. Improved implements, im-Is a bella grapes ripened.

It is raised from seed, but as this requires teen per cent. of a body having about the land buildings, meet us everywhere in the skillful management, our correspondent will this three in considerable management, our correspondent will this three in considerable management, our correspondent will this three in considerable management. do best to obtain the plants from nurserymen, this there is a considerable quantity of sugar in the common acceptation of the term. We which he can do at 5 or 6 dollars a thousand, and gum, and from five to six per cent of oil rejoice at this, and so must every man who The best way, is to plant on the line of a constant of the form of a constant from the line of a constant from the form of a constant from the constant fr ditch, made for this purpose, filled with mel-the form of a clear, fragrant liquid. Oat meal because agriculture is our main stay. If it low earth, the ditch keeping the soil dry, and cakes owe their peculir agreeable taste and fails to prosper, we can have no prosperity. of course enabling the plants to withstand smell to this oil. Out meal, then, has not It is the produce of our farms—the fruits of the frost much better than of soulced with only an abundance of substance containing farm industry—that animate trade and comnittogen, but is also quite fattening. It is, merce, that build up cities and villages, in fact, an excellent food for woking animals, construct railroads and canals, and cover our

little nitrogen; but recent examinations have admiration and respect. These are our shown that there is a considerable portion, honest sentiments -- not the fulsome flattery of some six or eight per cent., of a substance a stump speech or holiday oration. Our like gluten. The percentage of fatty matter sympathies are, and ever have been, and and of sugar is quite small, but of starch will be, with the tillers of the soil. Our own Wheat is one of the most important of all much larger than any grain yet mentioned, life, so far, has been spent in the country,

flinty 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 liable to be winter-killed at the tips of its branches, we have never known the north and a some plant that or the plant is the design of the plant is the orange to be just the thing for hedges. This is the Osage Orange. Although somewhat liable to be winter-killed at the tips of its branches, we have never known the north gested, because more solubre.

Sweet corn differs from all other varieties, sugary substances, which make it tenacious, containing only about eighteen per cent. of and also imparts a sweetish taste. In baking starch. Amount of sugar is of course very all grains and roots which have much starch large; the nitrogenous substances amount to the very large proportion of twenty per cent.; chemical composition. By baking, flour of gum, to thirteen or fourteen; and of oil, becomes more nutritious, and more easily displayed to about eleven. This, from the above rejected, because more solubre. sults, is one of the most nourishing crops Barley contains rather less starch than grown. If it can be made to yield as much

Out meal is little used as food in this coun- PARKS AND PLEASURE-GROUNDS FOR THE

and, as has been abundantly proved in Scot-lakes and rivers the broad seas with fleets of vessels. What a calamity-what an univer-Buckwheat is less nutritious than the sal panie and prostration of business would other grains which we have noticed. Its the failure of even one crop over the whole

starch, and from five to eight per cent. of are subjects that no man, whatever may be Nothing can be better than an Osage sugar and gum. In speaking of buckwheat his calling, can regard with indifference ; and or of oats, we of course mean without the agricultural classes themselves, as a body, by their intelligence, industry, energy, Rice was formerly supposed to contain and manly independence, command universal crops. The grain contains from lifty to being between eighty and ninety per cent. and we have earned our bread by the cultivation of the soil. We can speak of both twenty per cent. of fatty matter. The Indian corn is the last of the grains that its toils and pleasures from actual experience. proportion of gluten is said to be the largest we shall notice. This contains about sixty We know some regard it as a vulgar and in the grain of quite warm countries.

The Indian corn is the last of the grains that its toils and pleasures from actual experience. This contains about sixty We know some regard it as a vulgar and in the grain of quite warm countries.

The Indian corn is the last of the grains that its toils and pleasures from actual experience. This contains about sixty we know some regard it as a vulgar and in the grain of quite warm countries. It is a singular fact that, in all the seed of The proportion of oil and gum is large-and uneducated men; but the number of wheat and other grains, the principal part of about ten per cent.; this explains the fatten-those who think so is diminishing rapidly.

Men of taste and intelligence are now ambiti-shouse !- what a mockery! There is some-which call the farmers together, not only to ous of being agriculturists; and schools and thing incongruous in the very look of it that exhibit the fruits of their labor and skill, but colleges for training the sons of farmers are cannot fail to strike every observing person, also to listen to counsels, warning and rebeginning to attract attention, and will soon work a change in the public sentiment in regard to the respectability and importance of the agricultural profession.

proposed to make a few suggestions, when mer can afford to have. We wish to see the we took up our pen. to do the work. This state of things is un- and for more conveniently filling in. About to the attainment of a higher and happier Fresh sawdust is best, but it may be used alit had been standing fourteen years, and

It is not unreasonable, we taust, to expect, washed from the ice at the time of using. and even to urge, some reform on this point. Make home attractive ; - cultivate the taste, and feelings, and affection, as well as you do cation to farmers as a class, is becoming grew were solid, and those which had been your fields. Why should a wealthy farmer, quite a common topic in the addresses delives at they grew were rotted off. This is with his 50, 100, or 200 or 300 acres of ered at our annual Fairs, and I think the certainly an incident worthy of being noted land, content himself with a rod or two of a good effects of these alone can hardly be by our farmers.-Mark Lane Express. door-yard, and a dozen of shade trees, shap-lover estimated. ed and managed after the precise fashoin of as a class, they have had no rallying point. Farming in California.—The Alta a village plot? Why can he not, just as They have almost nothing of that esprit de California, speaking of farming in that well, have a park and pleasure-ground of corps which belongs to other professions, and state, says "there is no branch of business several acres around his house, broad glades as the business naturally confines them for considered at a lower ebb in this country at of lawn, and groups of trees, separated from the most of the time within the bounds of the present than farming. It is the general the cultivated portions of the farm by green farm, they miss most of those opportunities impression that every one engaged in this hedges? This, well stocked orchard and of improvement which are possessed by those occupation is driving a ruinous business. It and good ample kitchen-garden, would come who live in cities or thickly settled towns, is scarcely reasonable to suppose that it up to our ideas of a country home; and They have seldom an opportunity of hearing would be otherwise, when it is borne in it would be impossible for children to grow themselves addressed as a distinct body, and mind that wheat is not selling at one half the 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 to it, and 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 the comforts and blessings of a country life. besides they reach but few of the mass soil makes up, however, in some instances,

—Horticulturist.

CHEAP ICE-HOUSE.

farmer's home—the farmer's life-made hemlock planks which are two inches thick, he can begin to work, a common school more attractive. Hitherto, as a general on to hemlock scantling. Let one side of education, and that often a very ordinary thing, the improvements which have been the box be seven feet high, and the side opone, is thought amply sufficient for him who made are of the useful kind, having reference posite ten feet high. This gives a roof is to be but a farmer. Rev. Mr. Clift, of mainly to the supply of man's physical wants. eight feet long, with a slant of three feet. It Stonnington, Ct., who delivered the address Most of our farms must be regarded as mere is well to have 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, hemlock makes a sufficient roof. Set this ject of Scientific 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 reading, 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 dissatisfied depth of one foot, and over this place loose in society to which they feel themselves en-with agricultural life, and have sought the boards for the ice to lie upon. Cut the cakes titled, but which they despair of obtaining on Intelligent, educated men, cannot of ice two feet square, and build a tower of the old homestead. He argued that if each surely remain satisfied with being mere ice six feet square in the centre of your box, of these towns contained but two or three growers of grain and breeders of stock,—(or ice-house, we will now call it,) by laying farmers of the right stamp—men who honor they must love their home; and to merit the cakes compactly together, and filling all ed their calling, and were an honor to it—their love and attachment, that home must crevices with sawdust as you proceed. We hossess something of beauty, for the love of have now six feet cubic of ice, with a space changed, and thrift and enterprise would the beautiful is an instinct of man's nature, of one foot all around between the ice and take the place of stagnation and sleeny. In A large portion of the population is continu-planks. Fill this space with sawdust, and furtherance of the subject, he recommended ally on the move; -the old home has no cover the top of the ice with the same eigh-the Agricultural Societies to offer a premium hold on their affections—or at least not teen inches deep, and you have ice enough for success in certain departments of husenough to overcome the novelty of a new secured to last a family through the season. bandry, the privilege of free attendance at a one. We see the population diminishing in The upper three feet of the side which is ten course of agricultural lectures at some one the very heart of the finest agricultural dis-feet high, should not be boarded up, but left of the institutions now open for the purpose. tricts in America, where nothing is so much for ventilation, and a place of access to the I thought the suggestion a good one, and needed as human beings. It is at certain ice, and this aperture may be enlarged as worthy of particular consideration.—Counseasons impossible to procure laborers enough convenience may require while using the ice, try Gentl-man. favorable to the perfect development of the 800 feet of lumber will be required, and the country's resources, and equally unfavorable merest tyro in the use of tools, can make it incutions a farmer who took up a fence after

The truth is that hitherto A rod or two of a door-yard for a farm-of the farmers. Hence the value of fairs for this discrepancy.

proof. If only heeded, they cannot fail, in course of a few years, to elevate the standard of the profession, and make it more nearly The following is a plan of a cheap and what it ought to be. It is indeed strange This brings us to the point on which we convenient ice-house—one which every far-enough, that while three years at least of special preparation are required of the Make a box eight feet square, by nailing student of theology, medecine or law, before

> FENCE Posts.—The Hereford Times second winter. The dust can easily be found some of the posts nearly sound, and others rotted off at the bottom. Looking for the cause, he discovered that the posts The importance of giving a better edu-which had been inverted from the way they

on the bay, about ten miles south of Oak-Isound of a drum—the noise of a bridge—fowls may be fattened on it without any land, he informed us that he had found his the sound of cannon, &c. land, he informed us that he had found his the sound of cannon, &c.

crop this year quite profitable. His land is a very choice selection. He had 76 acres dam in travelling. If he lags behind—if he recently made an experiment, and must say a very choice selection. He had to acres until in tracing. In the lags which yielded 7,200 bushels, or is easily frightened at sights, or sounds,—that the result surprised me, as I had always about 95 bushels to the acre; 23 acres of get rid of him at once. He will not be been rather sceptical. Four turkeys were wheat, which yielded 1,800 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 barely good stock, treat him with kindness, never portates and oats. Four others, of the yielded 1,500 bushels, or 60 bushels to the firritate him. Feed him 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

IMPORTANCE OF THE ONION.

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-lit. Take care that he never gets a chance much the fattest, and the meat greatly supegal. But it rises in importance when we to break from you or run 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
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 his limbs. At four years you RESULTS OF THE HARVEST-PRICES AND know that, in addition to the peculiar flavor can harness him in a sled, and afterwards in which first recommends it, the onion is re- a light wagon—always remain by his head. The harvest weather has been on the markably nutritious. According to my Do not blind him—let him see every thing whole unprecedentedly favorable; the haranalyses, the dried onion root contains from that is going an around him. A harrow is a vest may be assumed as concluded, and the twenty-five to thirty per cent. of gluten. It good thing to tame him down. ranks in this respect with the nutritious peal. If you want him to work with another been computed by persons qualified to judge, and the gram of the east. It is not merely horse, you may now harness him with a that the increase on wheat over last year's as a relish, therefore, that the wayfaring horse that is perfectly gentle, and kind, and crop, would be seven millions of quarters, or gest, to the amount of nourishment which his simple meal supplies.—The Chemistry of spirited blood horse, that was very fond of Life.

Life.

Light years out, the horse is made crease with the required for british consumption. The destruction of the potato will gest, to the amount of nourishment which his simple meal supplies.—The Chemistry of spirited blood horse, that was very fond of cipated two months ago.

Life.

The general effect of so good a harvest,

tention to the advertisement of S. B. Ray-took an old saddle bit, and put a strong cod-manufactures, and to spread peace and plenmond & Sons. I have used their shell line through the rings under his jaw, and the jaw, and the jaw, and the past season on garden vegetables, started him, and immediately pulled my cod-ter, &c. However high, therefore, butchers' and am so well satisfied of its richness as a line, and brought such a crushing power on meat is at present, we do not expect it will manure, that I purpose to use it extensively, his jaw, that it brought him on his hanneles. It is to much lower this season. As to grain, Its discovery will add materially to the I served him in this way three or four notwithstanding the plentiful yield of harstock of fertilizers in this section. I hope times, at each pull, crying "whoa." After vest, 1854, it is probable that prices will the lovers of good crops abroad, will avail that, if he was in a very high glee, if he remain sufficiently remunerative to the the novers of good crops acroad, with avail that, it he was in a very high gree, it helpenants sundently remainerable to the themselves of its cheapness to order and test heard that sound he was as dead as an growers for at least a considerable time, it. An article in the Edinburgh Encyclo- Arabs's horse,—all his feet planted firmly and until larger breadths of grain crops are pedia, says "shell marl is composed of aniforward, and I never had any more trouble brought into culture.—Irish Agriculturist, and shells dissolved; contains oil, affects the about his running away. He delighted in Dublin. soil like animal manure, increases the food of military music, in the cry of a hound, in the plants, aids the soil in attracting food from noise of a cannon. He feared nothing. He the air and prepares the vegetable food for was very fleet in all his gaits,—fleet as a entering the roots of plants. This mart is deer and gentle as a lamb. I sold him after planation by J. Hall Maxwell, Esq., Secrewe have discovered an invaluable mine.

TRAINING HORSES.

A colt of good blood is always a colt of good courage, and the best way of ascertaining a good blooded colt, his to try is cou- of late in our agricultural journals in relation the returns of the extent of crops from the

had been dug, producing 2,600 sacks of 130 Feed him well—give him a warm stable, and same articles, but with one pint of very fine-lb. cach, or nearly 20,000 lbs. to the acre. good bed in winter. Halter him and lead by pulverized charcoal mixed with their mix-him about when he is a year old. Bridle ed meal and potatoes. They had also a him at two years, and occasionally put a plentiful supply of broken charcoal in their The onion is worthy of notice as an ex-saddle on his back, and always keep him in pen. The eight were killed on the same day, tensive article of consumption in this counhand, and under kind control. Keep up this and there was a difference of one and a half try. It is largely cultivated at home, and is practice till three years old—you may then pounds each in favor of the fowls which had

Spaniard eats his onion with his humble sure in all situations. At five years old he lifty-six millions of bushels. All crops are crust of bread, as he sits by the refreshing will be fit to put at any light work, in sada full average, and considerably above last spring; it is because experience has long die and harness. But he should not be year's produce. Still, in the present condipoved that, like the cheese of the English overloaded or strained at this, or any other tion of Britain, and of Europe, all this inlaborer, it helps to sustain his strength also, age. At eight years old, the horse is ma-

I had broke all kinds of eurb chains on his and so large a product of food for man and SHELL MARL .- Allow me to invite at- jaws, without stopping him. I therefore beast, will be to give an impulse to our so rich in carbonate of lime, an active sti-la few years use; and one thousand dollars tary to the Highland and Agricultural mulant, that it must mix advantageously with would not have tempted the purchaser to Society of Scotland, is well worthy of the the animal manures of the farm-yard. If so, part with him. I am sorry to say, he was perusal of all who feel interested in the finally burned in a stable.—American Pa-working of a correct and authoritive method

FATTENING TURKEYS, ETC.

terday with a farmer from Alameda County, see if he delight in loud noises, such as the has been repeatedly asserted, that domestic

WEATHER.

yield is decidedly above an average. It has

AGRICULTURAL STATISTICS.

of acquiring Agricultural Statistics. The Highland Society have, as might be expected, gone about their business in a business-Mr. Eprron,-Much has been published like and efficient manner. They first obtain rage. See if anything will frighten him-to the alimentary properties of charcoal. It tenants themselves, after which the average of each kind of crop is struck in each dis-ecceded in giving effect to these features ticular man. After alluding to the importrict by first class judges, called together to We thought them necessary, and I think we tance of giving to every farmer, early after

give a verdict upon them like a jury. Mr. have succeeded in providing for these char-harvest, correct information as to the state acteristics, by the machinery we employ of the crops throughout the country, Mr. Since I was Secretary to the Flighland which I shall now explain. In the first Maxwell proceeded to explain more particu-Society, I have been in communication with place, I am now engaged in framing a list of larly the manner in which he collected the no fewer than four Presidents of the Boardithe whole of the farmers of Scotland. I)required information, by stating that in each of Trade, all differing in their political was startled, when I last looked at that list, district they had a committee composed of views, but all agreeing that information in to find that there are 48,000 names upon it one practical farmer from each parish in the reference to agricultural matters was of With each of these farmers I have to com-district, each committee having an enumeragreat importance to the public, and to the municate, and I hope that next month every tor or convener-the enumerator for the farmer, their only point of difficulty being farmer in Scotland paying £10 a year of Cupar district being the Secretary of the how these statistics are to be got at. It is rent will receive a schedule with a letter Fife Agricultural Society (Mr. Dingwall, of now two or three years since Mr. Labou-from my office, containing all the the ques-Ramornie), whose services he had secured chere first applied to the Highland Society tions to be put to the farmer. What are in that capacity. These members of comfor a statement of their views, and a plan of these questions ? We do not ask the farm-mittee would in a short time receive their this inquiry. That plan was prepared, went er to tell us what crops he raises, how much instructions, their duty being to make their into the hands of Mr. Henley, the President of wheat, of oats, or of potatoes. We do own observations as to the state of the of the Board of Trade under Lord Derby not ask any one for information that would crops in their respective parishes, ask the It met with his approval, and afterwards lead us to discover the amount of crops opinions of their neighbours, and after some came before his successor in office, Mr. raised on any particular farm. We only experiments are made on the barn floor, to Cardwell, under whose sanction, as you are ask him to tell us that which every neigh-compare notes, and make up their minds as all aware, an experimental trial was instituted bour knows-namely, how many acres he to what they consider shall be put down for last year in three of our Scotch counties, has under cultivation. The return is divid-the Cupar district as the fair average proand in two English counties. The results ed into two heads, crop and stock; and duce of bushels per acre of the various of that experimental trial, owing to the ac- with reference to the crops, we simply ask crops, which average would be sent to the tive assistance and co-operation of the how many acres the farmer has under cultiva- office of the Highland Society by the enutenant farmers in these three counties, were tion, and how these are subdivided into the merator. Thus, continued Mr. Maxwell, if so satisfactory that Government found itself different crops? And as that is all we ask, it is reported to me that the average of a in a position to extend the inquiry to the I think I may assure you that we do not ask particular kind of grain is thirty bushels per whole of Scotland; and I think it is honour anything that any man has any great interest acre in this district, then I am enabled, from able to you, as a class, that the example in concealing. And I beg you to remember the information I have already received as which your brothern in these three counties that I do not publish your lists. They are to the total number of acres under cultivaset has enabled—in fact, has induced Gov-confidential between you and me. Last year ition in the district, to return the number of ernment to place Scotland in the van in this the schedules were sent to farmers in cerbushels for the district. And when this is matter. Government has thought proper in thin districts, who sent them to their neighdone for every district by experienced farmextending this inquiry over Scotland, again bours, and after they were filled up, sent ers, I have no doubt it will come very near to employ the Highland Society, and again them back to me. That was found object the mark, and will tend to relieve you from to ask for the assistance of the farmers; and tionable, as the farmer did not like his the speculators of the country. As to the we have every reason to believe, when we schedule to be submitted to his neighbour, stock, we require to be a little more inquisitook to the assistance obtained from the especially the stock schedule, however restorial there, simply because acreage will not farmers last year, and the results of the pectable that neighbour might be. But this give us any criterion for stock. A number meeting held this year, that the co-operation year the schedules go from me direct to the of sheep farmers were at first unwilling to which Government seeks at your lands will farmer, who fills them up and sends them tell the number of sheep on their farms; not be withheld. The plan of this inquiry, back directly to me, so that no man can be but when it was explained to them that it as recommended by the Highland Society the wiser for what he communicates to me was not the stock of their farm, or their for the adoption of Government, is charac. For example, 1 divide the county of Fife parish, but of a large district comprising a terised by certain distinguishing features. In into three districts—one of these is the number of parishes, they found they were as the first place, we took the liberty of strong-Cupar district, with ten parishes in it. safe as the grain farmer was, and I am proud ly advising Government foot to make this Every farmer tells me how many acres he to say that in the sheep districts we were in matter compulsory-not to come down upon has under cultivation, and how many are un-last year not a single farmer refused the inthe farmer, through any central board, or by der each kind of crop. I add them all up formation. I have just come from Argyle-any act of Parliament, extracting by main as they come in, and after harvest I am in a shire, which is a difficult county to work. force that information which Government condition to tell Government that the whole There was an opposition there, but it fell to seeks. We recommended Government to of the farmers in that district have a cer-the ground. I have met men strongly optry, in the first place, the voluntary system, tain quantity—say a thouasand acres under posed to the whole thing, not understanding and to try to work that system by means of cultivation, of which so much is under wheat, the farmers themselves, in the manner and so much under the other kinds of grain vinced that any practical good would be adopted last year. In the next place, we -so that all that Government or the public effected by the inquiry, but having always insisted as emphatically as we could on the knows is not what a farmer has in this dis-received a fair heaving, the result has in importance of stripping this inquiry of every-triet, but what the whole district has of any every case been a hearty vote of approval, thing of an inquisitorial character, and at particular crop. You will see, therefore, and a promise of support and co-peration. 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 Public Warrs .-- Immediate and decisfor any party to extract from the published cannot divulge anything; and the best prooflive answers are wanted to the following returns the particulars applicable to any one of that is, that the returns for last year questions: How to gain a reputation for farm or farmer. It will be for you to say, have been before the public eight months, talent in your native town? How to give when I describe the manner in which we and I defy any man to extract from these an advice or to argue with a fool? How to conduct the inquiry, whether we have suc-lota of intelligence in reference to any par-horrow money on the plea of extreme

poverty? How to get long credit of trades-or at least a large majority of them, should means of appreciating at once the geological cheat yourself?

ion. He says:

garden.

tops-I take the scythe and mow all down locality. day or two, then set fire to the heap of stalks, accompanied with any propositions which the alimentary products of Scotland." burn it to ashes, and spread the asher over may be made for its illustration. For rea-

of clean, fresh stable manure, and add there-there should be Central Local Committees, ments, by Professor Owen, say

whole season.

THE EXECUTIVE COMMITTEE.

Of the Provincial Commission appointed scientific arrangements.

That the success of the present effort to General of Mines, &c., it is said:

men, if they generally see you in shabby he able to meet together. The Executive structure and the mineral resources of clothes? How to make your children tell Committee will, however, he most anxious Canada. It is to Mr. W. E. Logan, one fibs for you, and not teach them to tell fibs at all times to receive the counsel and advice of the members of the Jury, who fills the offor themselves? How to make evasive ex- of the Local Committees. It is recommend-flice of Geological Surveyor of Canada, that cuses without incurring 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 County in Lower value arises from the fact that he has selectfair living price of a job, and not at the end and Upper Canada, and that they should ed on the spot most of the specimens that the Legislature, all Members of the Com-ged them since their arrival in London." To Raise Giant Asparagus.— A mission lately appointed by His Excellency Again, in the report of the Jurors of class writer in one of the early volumes of the the Governor General, all Wardens, Mayors, 3. "Substances used as food," by Dr. Horticulturist, (Mr. Downing we believe,) and Reeves, the Professors of Incorporated Flooker, it is said: tells us how to grow common asparagus so Colleges, the Presidents and Secretaries of "Messrs. Lawson's collection exhibits that it will always rival any giant product- Agricultural Societies, and Presidents of the car and grain of every variety of cereal Mechanics' Institutes or other scientific and also models of all the roots which it has Every one who has seen my beds has bodies. The Committees should have power been found practicable to cultivate in Scotbegged me for the seed-thinking it a new to add to their number, and it it hoped that land; the specimens are beautiful, and the sort but I have pointed to the manurclin each locality some one or more of the arrangements scientific and excellent. No heap—(the farmer's best bank)—and told classes indicated will at once organize a consideration of cost or trouble has been although that the secret all laid there. The Local Committee, the Secretary of which loved to interfere with providing all that is sight was such as might be seen in every should put himself into communication with necessary to render this collection a true and About the first of November - as soon as and give him all the information in his pow-ducts of Scotland. A Council Medal has the frost has well blackened the asparagus or as to the employment of the people in his been awarded to Messrs. Lawson for their

sons which will be explained elsewhere, it is animal and regetable substances chiefly used I then go to my barn-yard; I take a load proposed that at Montreal and Toronto in manufactures, as implements, or for orna-

would carnestly press on the public the im-ly exhibited."

portance of systematic and, when practicable, The three classes above adverted to com-

procure a creditable exhibition of Cana"Of all the British Colonies, Canada is materials in their various stages, up to the dian industry at the Paris Exhibition must that whose exhibition is the most interesting highest point of perfection. It is most imdepend, in a great degree, on the cordial and and complete, and one may even say that it portant in the opinion of the Committee that zealous co-operation of the public at large is superior, so far as the mineral Kingdom is copies of the Jurors' Report of the London through the several Local Committees. It concerned, to all countries that have for Exhibition should be placed within reach of has been deemed absolutely necessary, in warded their products to the Exhibition, as many as possible, and all persons desirous order to ensure unity of action as well as efficiency, that there should be a Central Exhibition, has been made in a systematic manner, and read such parts of that interesting work as ecutive Committee, the Members of which, it results that the study of it furnishes the may be specially important to them. Those

consist of all Members of either Branch of have been sent to the Exhibition, and arran-

the Secretary of the Executive Committee, complete illustration of the vegetable pro-Where any special Manufacture admirably displayed, very complete, instrucclose to the surface of the bed; let it lie a is carried on, it should be noticed, and tive and scientifically arranged collection of

The Jurors of class 4, in their report on

to half a bushel of hen dung; turning overland as the duties of these Committees will "Among the numerous samples of raw and mixing the whole together throughout be much more laborious and responsible they produce contributed by different countries, This makes a pretty powerful compost. I should be organized in a different manner, there are several collection of especial value apply one such load to every twenty feet in it is proposed that until further arrange-which derive additional merit from their tength of my asparagus beds, which are six ment can be made, the resident Members of completeness and from the fact that they iffeet wide. With a strong three-pronged the Executive Committee should correspond Justrate the trade and manufactures of an spud or fork, I dig this dressing under. The with the Secretary, and that they should entire country. The importance of such whole is now left for the winter. In the spring, as early as possible, I turn names of such gentlemen as may be eligible statistical and scientific point of view, is very the top of the bed over lightly once more for serving on the Central Committees, great, and the Jury therefore, being desirous Now, as the asparagus grows naturally on bearing in mind that the most important of expressing their approbation of the practice side of the ocean, and loves salt water, qualifications are the ability to be useful, tical benefits to be derived from the formal give it an unusual supply of its favorite active and energetic co-operation, and distinguished the collections and the condiment. I cover the surface of the bed connection with parties likely to be exhibit-advantages which the commercial and mannabout a quarter of an inch thick with fine ors. Having provided for the organization facturing community may obtain by their packing salt; it is not too much. As the of the Committees, the next subject for conmeans, have determined to recommend the spring rains come down, it gradually dis-sideration is the mode to be adopted to award of the Council Medal to the Governsolves. Not a weed will appear during the secure a creditable representation of our in-ments of those countries the natural products. dustry at Paris. The Executive Committee of which were so instructively and complete-

portance of systematic and, when practicable, The three classes above adverted to comscientific arrangements. They beg to call prise the great staple products of Canada, to ensure a fitting representation of the attention to the following extracts from the her minerals, agricultural products, and timindustry and resources of Canada at Jurors' reports on the London Exhibition ber, and the Committee hope that efforts the World's Exhibition to be held in In the report of the Jurors of class 1 on will be made to ensure a satisfactory repre-Paris in the year 1855, have the honor unineral products, by Mr. Dufresnoy, mem-sentation of them. They would likewise to report: should be illustrated by exhibiting the

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 Local or Local Committees.

to the principle of paying for all articles sent pense to the Central Committee at each popular tree, remarked the great facility with to the Paris Exhibition, but at the same place, and exhibited to the public at a small which the operation was performed. The time they propose that the contributors admission price. Jurors will be appointed large birch tree was afterwards conveyed by should receive all prizes or honours which to aid the Committee in determining on the the improved transplanting carriage ( drawn may be awarded to the articles sent by articles to be sent to Paris, but no prizes by a horse) to a distance of a quarter of a them. The great difficulty in corrying out will be awarded. Such is the scheme which mile, where it was safely replanted. Notthe plan of purchasing is to avoid partiality, the Executive Committee are of opinion will, withstanding the roughness of the road, the and the Committee have anxiously consider-if zealously supported by the Local Commit-conveyance of the tree was effected with ed this point, and have determined to recom-tees and the public, ensure for Canada an great ease, the construction of the carriage

1. That all who have received prizes or bition. honorable mention at the London Exhibition in 1851, or the New York. Exhibition of 1853, and all who have received first prizes at either of the Provincial Exhibitions of EXPERIMENTS AT BALMORAL WITH M'GLAS-gave orders for the immediate purchase of Upper and Lower Canada in 1853 and 1854, should be invited to send propositions to the Local Committees stating whether they will case of dispute by the Judges at the Local plication of the invention.

Executive Committee charged with that General Charles Grey, Colonel Phipps, the Range Stockman, and Dr. Robertson.

The carbranch of industry.

3. In case of failure to obtain contribusuch steps as they may think best to ensure he lifted a plant of common heather, with an large trees, and equally well for raising a proper representation of their particular adherent ball of earth 9 inches in diameter, stones or blocks of rock, without blasting or branch. By these means it is hoped that He then applied a machine, with four spades digging a trench around them; and they can stances such as the extent of the contribu-carth around its roots, the operation being in a house, especially if the house be his own,

on account of the commission. The pro-two workmen. His Royal Highness was To assist the public as much as possible positions made by the parties entitled to furgreatly interested in the invention, and with in the meantime, the Committee propose hish articles under the above regulations the satisfactory manner 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 differshewing the classification adopted at the forwarded at once to the Secretary so that ent experiments, His Royal Highness re-London Exhibition, and the awards of the the proper Sub-Committee may dispose marked to Mr. M'Glashen that he perceived Council Medals, also the names of Canadians 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 different manufacturers and me-the London Horticultural Society's Garden hereafter, but the Committee are anxious 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 place, and that the Local Committees bigh, was successfully transplanted.

Place in developing their scheme to the will be active in obtaining and promptly While preparations were being made for procuring the propositions of intended conflicting the birch tree, His Royal HighThe Committee being of opinion that tributors. It is recommended that all the less took up one of the small sized transvoluntary efforts is not to be relied on, have contributions be sent to Montreal or Toron-planters (adapted for removing herbaceous obtained the sanction of the Commissoners to, where they will be delivered free of ex-plants), and having lifted with it a young

> F. Hincks, Chairman. J. C. TACHE, Secretary.

HEN'S PATENT TRANSPLANTING APPARATUS

We have already called the attention of send specimens of their products and manu-our readers to this apparatus, and to some sioner) was likewise highly pleased with the factures for exhibition to Montreal or recent improvements which the inventor has invention, and ordered a transplanter for use Toronto, on or before 1st February next, made upon its details. Every additional on his own property. payment to be made for such articles at the experiment seems to point out some new From our account of the experiments, it fair wholesale market value to be decided in feature in its construction, or some new ap-will be seen that the machine used at Bal-

2. The Local Committee may further inventor, had the honour of exhibiting the for lifting trees with a ball of earth 4 feet 8 recommend for consideration a proposition apparatus in its most improved form, in full inches long by 3 feet 5 inches broad; but by from any party who has received a first operation, in the Palace grounds at Balmor-using only four of the spades, a ball of 27 prize at any Local Exhibition, which shall al, in presence of his Royal Highness Prince linches square may be raised with equal facibe referred to the Sub-Committee of the Albert, the Hon. Eleanor Stanley, Major-lity.

tions from the above classes or under special form of the invention, viz., that adapted for minutes be converted into a machine for circumstances, the Sub-Committee may take transplanting herbaceous plants, with which clearing ground of the stumps or roots of public confidence will be inspired in the im-or cutters, with which he litted a tall poplar he conveyed to any distance by the same partiality of the Committee. But it is pro- tree with an adherent ball of earth 22 inch- 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 machine is suited for raisinvited to compete at the Local Exhibitions, those used in this operation, the apparatus ing tree-roots or blocks of rock from 2 to 3 at Montreal 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 ball 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 The Executive Committee do not bind ate upon a fine birch tree, about 20 feet in be raised by having the carriage of corresthemselves to send to the Paris Exhibition height. The cutters being driven in, and any of the articles which they engage to the apparatus adjusted, the tree was speedly purchase. They must be guided by circum-fraised out of the ground, with a fine ball of A DROP or Oil.-Every man who lives

who have copies of this work are requested tion, the quantity of space allotted, &c., &c. |conducted by Mr. Paterson, her Majesty's

honorable position at the great Paris Exhi-being such as to require comparatively less strength for propelling a given weight than an ordinary cart.

The whole of the experiments were so highly satisfactory that His Royal Highness the apparatus employed on the occasion, for use on the Balmoral estates.

Dr. Robertson (Her Majesty's Commis-

moral is applicable to various sizes of trees. On Wednesday last Mr. M'Glashen, the When all the spades are used, it is adapted

Mr. M'Glashen first showed the simplest riage (without the spades) can in a few

two or three months. are much shaken, and in time they get out for painting. of repair in all sorts of ways, to say nothing As a matter of economy, the slate must cooling the room. The upper part which is of the dust that is dislodged every time the in time come into general use. It is furnishing in the open air is protected by a cap. A place is so shaken. The incessant banging ed at a price but little above that of the best 33 inch ventilator, made of zinc, and of doors, scrooping of locks, creaking and shingles; it is not, like them, liable to take costing £8, will completely remove all screaming of hinges, is a great discomfort fire from sparks from chinneys or else effluvia from a four or six-horse stable.-Even the bell wire cranks should be some-where, and will last a long time. We have Economist. times oiled, and they will act more certainly seen it stated that an old house was torn and with such gentle force that there will be down lately in Boston—the state from the little danger of breaking any part of them, roof of which sold for eight dollars a square The show of the Royal Agricultural Society The castors of tables and chairs should be —after covering the house for more than a of Ireland will be held at Armagh on the 9th, sometimes oiled, and they will move with such hundred years. A square of slate will cover 10th and 11th days of the casuing month, gentle impulse and so quietly that a sleeping about the same superficial area as a thousand the council of the society have arranged for child or old man is not awakened. A well-shingle. For suburban cottages, a very the reception in the show-yard, of agriculturoiled door-lock opens and shuts with hardly pretty roof may be made by using the differ-al implements for competition, on Saturday, a whisper. Three pennyworth of oil used ent colors of slate in alternate squares. in a large house once a year will save many shillings in locks and other materials, and in the end will save many pounds in even the substantial repairs of a house; and an old the substantial repairs of a house is a substantial repairs of a house; and an old the substantial repairs of a house is a substantial repair of wife living and sleeping in quite repose will -ED. FAMER'S JOURNAL. enjoy many more years of even temper and active usefulness. Housekeepers, pray do

SLATE FOR ROOFING PURPOSES.

buildings, is a question that is yearly becom-ing of more importance, as shingles that are to add two or three fowl's eggs, " to teach generally used for farm buildings are every the young turkeys to pick." The plan is season becoming scarcer and dearer and are not a bad one; the activity of the chickens subject for many years, and have settled the at best very indifferent for the purpose does stir up some emulation in their larger matter conclusively mour minds, that it does Many substitutes are proposed, but for dura-brethern. The eggs take but little room in not pay to plant small feed. For lifteen bility, beauty, and comparative cheapness, the nest, and will produce two or three very years we planted the same nameless variety, slate is probably the best thing that can be fine fowls.—D. KIRTLAND, Albany. used. Many causes have conspired beretofore to bring this material into disrepute in Ventilation of Farm Buildings.— yield, but rather an improvement. We in some section. One was, ignorance in Most of the stables and cattle-sheds in have invariably thrown out from our seed all those working quarries, of what should be modern farm buildings are defective in re-potatoes less in size than a hen's egg, and used and what rejected. It was supposed gard to ventilation. Nor is the remedy also rejected those overgrown, pithy or irrethat the scaly material alone could be split easy. Openings in the lower part of the gular shaped. to the requisite thickness, and that the solid building for the admission of cool air invariations could not be worked; but with more ably produce drafts and currents of cold air lar soils, those purchasing and planting the experienced workmen, the scaly stone is now are by no means conducive to the health or small potatoes which we have rejected have rejected and the solid only used. Of the comfort of stock. For cattle, indeed, we reject crops equal to or more prolific than state, there are various colors—black, blue, are satisfied that a shed open on one side is our own; but one year with another, we red, &c., found in different localities and oc-altogether the best, where the animals are have averaged thirty to fifty per cent. betcasionally in the same quarry. The writer kept in boxes. Where they are tied up to ter crops of good potatoes, than our small had the pleasure a short time since, of visit—the manger, they have so little opportunity potato neighbors.

ing the quarries at North Hebron, Wash, of choosing their position, and are so little

Co., N.Y. The slate found here, is of a in motion, that a close building is generally potatoes, we have also, by long practice, fine red color, and said by good judges to be thought to be necessary. In all such cases proved true in regard to other kinds of of a very superior quality. No slate of this a good plan of ventilation is much needed, seed. Our plumpest and earliest grains color had, until within a year or two, been We have been in many cattle buildings have always been reserved for propagation, known to exist in this country, the few spe-erected at great cost, in which the atmos- and our neighbors can testify that our prac-cimens seen being imported from Wales or phere is vitiated, both from want of fresh air tice has been attended with good results.—

The house will last first opened one of the quarries, since when Stuart Forbes, of Pitsligo, brought a plan, much longer, and will be much more quiet to some three or four companies have invested invented by Mr. Watson, of Halifax, before live in. Oil the locks, bolts, hinges of the a considerable amount of capital in the busi-his audience, as well adapted for farm build-street-door, and it will shut gently, with ness of getting out the slate for roofing, and lings. It consists of a tube passing from the luxurious case, and with the use of a small the tiles for stone floors, known as Mosnic, top of the place to be ventilated into the amount of force. A neglected lock requires The quarries are worked mostly by Welsh- open air, such tube being longitudinally diviamount of force. A fregueted not require the state of the

not forget the oil. A stitch in time saves teen eggs is enough to give them; a large double the number of those entered for the nine, and a drop in time saves pounds.—The hen might cover more, but a few stronger, grand show which was held at Killarney last Builder.

The hen might cover more, but a few stronger, grand show which was held at Killarney last Builder.

The forthcoming show has had the brood of weaklings, that have been delayed most beneficial effect already on the business in the shell perhaps twelve hours over the and trade of the town .- Mark Lane Ex-What shall we use for roofing for our time, from insufficient warmth. At the end press.

from France. A Welshman, who had been and from the manure. At a recent meeting American Agriculturist.

should oil all the various parts of it once in a practical quarryman in his own country, of the Fettercairn Farmer's Club, Sir John out producing a draught or nanecessarily

> THE CATTLE SHOW AT ARMAGH .the 5th of August, and Monday, the 7th; that the entries of stock, farming produce, of implements, &c., &c., for the ensuing show, SETTING HENS .- In setting hens, thir-far exceed those of former years, and are

> > PLANTING SMALL POTATOES.

We have given no little attention to this on the same soil, and at the end of that time found no deterioration in the quality or

St. Petersburg.—After travelling six nights and seven days without resting, I am of the Crimea would end the war. I am here a member by invitation, of the family now thoroughly convinced that it will proof Gov. Seymour, of Connecticut, our tract it. All that you hear through Eng Straw Plenipotentiary at the Court of Russia. On land about poverty and distress here, is false Eggs, from 10d to 1s. Friday I made the acquaintance of Count The Emperor's popularity imputable to his Fresh Butter, per lb., from 1s 3d to 1s 6d. Nesselrode, for thirty years past the Russian excellent private character and his figure Salt Butter, Nesselrode, for thirty years past the Aussian excellent private Constants.

Minister of Foreign Affairs, a gentleman and personal address is unbounded.

Who has not wrinkle on his brow, and who to the manufacturer of Russia are so far Wheat from 9s 6d to 10s.

Barley, per minot, from 5s to 5s 3d. day accompany the Emperor to a review of that she is now doing.

40,000 men. He was opposed to this war, I am a Turk in this contest, and therefore and is universally regarded here as a man of impartial in these estimates. C. D. M. great virtue, as well as of great intelligence. Louisville Journal.

In a few days I shall proceed to Revel, leaving most valued, I may say beloved Russian friends, who accompained me from good care of cattle must be fond of the busi-Rome to Naples, and nursed me at the ness. Never hire a man to take care of former when laid up and attended by a farm stock unless he shows an inclination to College. physician whose prescriptions were much be with them 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 carefully attended to in English as well as I do, and free from all the fall, just before the winter commences. foreign accent. She is the most beautiful -They will eat of the poorest hay if they woman I have seen in Europe. Her hus- can get it, while they are yet permitted to band speaks seven fluently, and in all respects ran at large in the pastures. worthy of the finest woman I have met with since I left America. I spoke most learn gradually what they must come to behighly of them to Count Nesselrode, as I fore the winter is over. Fall feed is shortopportunity. But he is at present, I have but cattle must not be suffered to go hungry; sures the properties of farmers, in Lower Canada, at no doubt, greatly depressed by the recent though hay and grain may be dear.—Mas- 5s. for £100 currency, for 3 years, &c.

Apply at the clice, \$L. Sucrament Street, Monshall to the Emperor, if I have a suitable or than usual, and other food is in demand ;said to have lost 5,000 men in the encounter with the Allies at the river Alma, where he attempted to arrest their march upon Sebas- Geography of Canada, by T. A. Gibtopol. The government here acknowledged the loss of 4,000 out of 35,000 of Menchikoff's army. Of the fall of Sebastonol melancholy forebodings are entertained by the Russian population here, and as it is assailled by 66,000 men, the present force An admirable work designed to make marshalled against Fort Constantine, which people, and especially the youth of Canada, commands the city and harbour, I have better acquainted with the external features never entertained doubt.

altered my opinion since my arrival here, for ability, and should be found in every school SHOW at the MARKET HOUSE in GRANBY parties, one German and one American, excellent description of Eastern or Lower UARY next, at 10 o'clock, A. M. given in the last week, more of the country Canada. Part II., of Western or Upper I am in, than I did of Prussia in Berlin, Canada. To the work is appended Tables

To the work is appended Tables

Granby, 1st Nov., 1854. France in Paris, or the three great cities of of Reference, containing a large amount of Italy in all my much longer visits to any of statistical information in regard to popula-

fleet.

I came here, believing that the conquest

and consequently 74. A man of more wealth of this city alone concentrated upon amiable address I never met with. He her churches, would sustain an army of Oats from 2s 6d to 2s 9d. offered me a letter of introduction to the entered upon a war not anticipated, and for Buckwheat, 4s 6d. Russian Commander of an army of 35,000 which preparations are to be made. She Peas, from 5s to 5s 3d. men at Revel, and inquired if I had a claims an armed force of two millions, and military costume with me, that I might to-can readily raise one half that number, and

CARE OF CATTLE .- A man who takes

Let them have some of the poor hay and

#### REVIEWS OF BOOKS.

son, First Classical Master of the High School Department McGill College, author of the Canadian Guide Book, &c., 1854-55: Hew Ramsay, Montreal.

and natural resources of their native coun-But of the effect of this reduction I have try. It is compiled with great care and tion, income, expenditure, public works, I find K., formerly Secretary of Legation, imports, exports, railways, shipping, emigradria, in Egypt, and at London, a most valu- lands of all who wish well to the country. Subtrict, Greeker (quebec dria, in Egypt, and at London, a most valu- lands of all who wish well to the country. Subtrict, Cote des Neiges the uncle of Mad. de G., and is to accompany me shortly to Revel, which, it is said, and valuable work.

In the Montreal of Mad. All Caregor's, Greeker (quebec drian) and agriculture, which should be in the Montreal of the Undersigned, at Summer Hill, able and intelligent acquaintance. He is We advise every one of our readers to pro- (load.

JOHN AULD.

Montreal, 2nd October, 1854.

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