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CANADA



FARMER

A Family Journal, devoted to Agriculture, Internal Improvements, Literature, Science, and General Intelligence.

ol. I.

TORONTO, FRIDAY, APRIL 9, 1847.

No. 6.

WOOD CUTS.

We send this number to our readers, as they will observe, without any wood-cut, or nctorial embellishment. We did not pronise them in every number, and shall not, herefore, break our promise by withholding. for the illustration of such subjects as were contained in our last two or three numbers they are very useful and indeed indispensaand cows that fixed and died somewhere in the early ages of the world, by the Egyptians, or other early evalued nations, who years ago? We could illustrate in this way dilawans, a see nee and practice for beyond at a cheap cost, by scading off to Albany or any thus far reached by successive genera-New York for the old stereotyped plates to tions—it is certain, that modern enquirers be found there in any number. But we are must re-discover it for themselves, if they more utilitarian in our belief, and so long as wish now to have it in possession. better cannot be had we shall not take much and efficient service rendered, since the comtrouble to obtain these. After we become intercement of the present century, by the dethoroughly established we shall make a practive sons of genus, who have given a portion tice of giving at least one illustration of some- of their time to the chicidation of the princithing useful in every number. For the remainder of this volume we shall make no pro-that needs only to be followed up, rigidly and mises, though if any thing important comes unremittingly, to result in all the benefits in our way we shall not neglect it and our But, we ask, what has been the success in readers will, we feel sure, approve the policy of such a course, when we inform them that with the improvements in the mechanic arts, every cut of the kind we have presented as shown in the application of steam, mathem, cost five and six dollars. It will be seen chinery for the manufacture of the different that this would make a protest investment item fabries from wool, cotton, silk, the metals: that this would make a pretty important item in our bill of expenses by the end of the year. We must therefore wait till the good and liberal public have moved in our behalf.

AGRICULTURAL COLLEGES.

The 19th century presents the singular anomaly, of an age, skillful to a degree beyond any that has preceded it, in all the arts that minister to the comforts and luxuries of man, with the single exception of that art. which is alone the base and support of all others—the art of an enlightened a; riculture. All the elegancies of life too, and the refinements of intellectual culture, the useful and recondite sciences, literature, poetry, music. painting, and sculpture, have been patronised. illustrated, and studied, under every advantage, and have thus been pushed far toward their maximum of improvement; yet is the foundation of this varied and beautiful superstructure, the only portion of the edifice which is destitute of strength, order, symmetry, or design. And if we look back through the history of the ancients, reaching, according to the most approved chronology, much farther than 6,000 years, we find no record from which we can learn that any branch of day.

We shall not attempt to account for this gross and most mexcusable neglect, beyond the effect of that principle, which may be alost taken as an axiom in human conduct, Supreme ratio of the Deity's munificence. Benevolence has wisely provided for the success of the humblest efforts of unenlightened earth the elements of subsistence; and on the very threshold of success, have all human efforts been arrested. Content with having achieved the bare means of existence, the human mind has been stayed in this vast field of enquiry; and has turned away from it. if not with loathing, at least with judifference, and with a keen and delighted relish for other and less important and less praiseworthy objects of ambition. Whence comes this lack of reason, this short-sightedness to our own best interests? We must acknowledge ourselves have been before employed. petent to give the answer, and we gladly soign the solution of this difficult problem to our modern philosophers, who are so worthisying themselves with the "law of pro

that the world has both rto taken but the initiatory steps in the art of agriculture; and this broad land. like the western bemisphere in the days of Columbus, remains aftern incognita, an unexplored continent, myiting the most intelligent research, and ready to pay its explorers with the richest rewards. It may be true, indeed, that portions of this goodly land have been heretofore discovered by the Northmen of preceding times, and even inliabited by a refined race of Aztelans possessble, but, we cannot see what benefit is to be ing a high degree of culture; yet to the derived (unless by the children, who are fond present race of man, no chart or history has of "pretty pictures," and that to be sure is well-defined boundaries. Whatever discoveomething.) by presenting likenesses of hulls ries may have been made in this great art in

We would not be ungrateful for the worthy that needs only to be followed up, rigidly and which may fairly be demanded at their hands. with the improvements in the mechanic arts, and the various other new and important aids rendered to the useful occupations of the present day? With the facilities afforded by the above inventions, one person can now do as much, as could have been accomplished by twenty, without them, only 40 years ago. Can any approximation to such improvement be shown in the cultivation of the soil ? We smak not of the mechanical instruments of the farm, which have measurably, and perhaps to the extent which could have been expected, participated in the modern progress of improvement.

Our meaning is much broader and deeper. and includes the whole science of agriculture, mall its varied phases and relations. We look to, and demand for agriculture, that enlarged and liberal measure of discovery, which will enable the human race to provide sustenance for its thousand millions of inhabitants. now covering the face of the earth, destined, probably, hereafter, to be indefinitely augmented; with an approximation to that certainty and success, that attends human labour in the other departments of life. We prepare our land and sow it to wheat, or plant it in corn; and after much doubt and uncertainty. reap from the first an average, in these United States, probably, not exceeding 14 bushels: the world's ancestry has been wiser in this and gather from the last, not more than 20 respect, than their descendants of the present bushels per acre. Yet we have seen under favourable circumstances, that the former has yielded 80 bushels, and the latter over 180 We claim, that abating bushels per acre. somewhat from the accidents of seasons, unusual droughts, humidity, or frosts; or perthat man's exertions are withheld, just in the | chance, the destruction following upon the eccentricities of the elements, as a hail-storm. or whirlwind, on an ungarnered crop, we might look for the highest results from every reason, in its struggles to procure from the well-directed effort, with the same confidence that we now r look to the attainment of any given speed from a steamboat, after providing it with a suitable model, engine, and fuel; or the weaving a definite number of yards by a power loom, properly constructed, and moved by the requisite force. To accomplish thus much, we have but to place our soil, and seed, and culture, in the same precise conditions. that have once been successful; and yet how sektom is this achieved, even on the same field, and under the same direction as many

If we look beyond the discoveries hitherto applied, and bring . he science of agriculture such amalogies as appropriatete to the subject, as shown from the progress of human rese;" from whom alone it must come, if it invention in other departments of enterprise, ing the public mind to a sense of its deficientment all.

Whatever the cause may be, certain it is, aid of this object, which would now be con-

sidered as perfectly Utopian. What brilliant puscular light which heralds the coming green and enduring wreaths of glory are destined to circle the brow of genius, who may hereafter successfully explore this hitherto almost untrodden waste. And how the comforts of this world, and its means of subsistence will be multiplied, when all the aids to its cultivation are rendered, which mankind large a right to demand. have a right to demand.

institution, founded and arranged on the best fully it may heretofore have been considered, principles which can be dictated by enlighten- by flippant scholars and shallow philosophers,) and beyond the reach of any hostile innova-tions of the fickle multitude; and such an institution should be endowed with a permanent fund of one third, to half a million of dollars. In this institution, we would place a chemist and geologist; an anatomist and phisiologist; the bottom, and acquires a bad late from the a botanist; an entomologist; and a practical table. Always take it out of the tims, and set it up agriculturist, who should give embodiment end way, leaning against something. If it has a nid effect to the suggestions of science, and thack, hard crist, wrap it in a cloth wring out of run each out to a clear distruct and definite cold water. Keep it maresult. These professors should be such as the where it will not freeze. choicest spirits of the age could afford; surrounded with all necessary assistants, books. and apparatus, and a well conducted and sufficiently extended farm; and their services, should be secured by a compensation perfectly adequate to their entire independence for life. Under these circumetances, we should have a series of experiments following each starting point for another, and each department would be aided in its researches, by all the light afforded to it by the others.

With such an institution, how long would, does in consulting his chart and compass?

would revolutionize the practice of agriculture within the present age, and more than double the products of the earth with the same labour and expense now devoted to them. Expressing his doubts that his government, which al bounty.

distinguishable only by its intensity of dark-Dess.

We must confess our hopen in the beneficial results of the present efforts in the cause of agriculture-our enquiries and discussions -our treatises and periodicals-our agricultural premiums and shows-come up to this extent, and scarcely more: they are awaken-

results may yet crown the researches of the morn, but they are not the glorious effulgence devotee of agricultural science, and what of the king of day. But his approach is indi-

We shall soon have, not only one, but a multitude of agricultural colleges, and when We have then our deficiencies for the they have had time fully to mature their present and past, and our hopes for the future truits, a certain and overwhelming abundance pointed out. Where are the remedies for will crown the efforts of every collabtened the former, and the proper and reliable foundations for the latter? First and mainly, it may be answered, in bringing the right minds westigation and acquirement, where they to the just and full consideration of this subject; and secondly, and as a necessary se- ness. They must be planted, in all the vigour quence to the former, the application of the of manhood, on an immovable basis, where requisite amount of funds, which shall secure agriculture, and nothing but agriculture, genus of the highest cast, under all the circulture, shall be the theme and sole object of pursuit, constances of advantage, essential to its fullest to both professor and student. And well might they content themselves with the study Birefly, and in a form that all may com- of this single science, that embraces within prehend, we say; we want an agricultural at comprehensive grasp. (however disdained experience, sound judgement, and a almost the entire range of the natural sciences, shrewd common sense; and so quarded, as emoodying as they do, the most abstruse, as to be unassailable by the corruptions of party, well as the most beautiful investigations of the

> R. L. ALLEN. [Agriculturist.

How to treat Bread when taken from an Oven.-Never set it flat on the table, as it sweats Keep it in a tin oox, in a cool place,

GRASS.

(Goth. gras; from gro, to germinate, to sprout). The common herbage of the field on which cattle feed.

The grasses, it has been often and well There is, persaid, "are nature's care." other in well-arranged and appropriate suc-cession; the results of one, constituting the understood as this. "Grass," says Professor Martyn, "vulgarly forms one single idea , and a husbandman, when he is looking over his enclosures, does not dream that there are upwards of 300 species of grass, of which 30 With such an institution, how long would, or 40 may be at present under his eye. They it be, ere the tyro in agriculture could go to have scarcely had a name besides the general it, with the same certainty of receiving the one till within these 20 years; and the few requisite information, that the mariner now particular names which have been given them are far from having obtained general use, so The slow and daugerous coasting, and shoals that we may fairly assert that the knowledge and breakers, that now mark out his benight- of this most common and useful tribe of plants ed course, would at once give way to bolder 15 yet in its infancy." (Letters on Botany, movements, and more direct and certain suc- (xiii.) It is certain, however, that since Professor Martyn wrote, much has been done Such an Institution Mr. Allen remarks, to add to our knowledge of the grasses. These grow in all parts of the world promiscuously, and without cultivation, affording both directly and indirectly the means of subsistence to man. Europeans live chiefly upon wheat, rye, and barley, to which list their American descendants have added maize or Indian corn. "The cultivation of the carth," says annually makes a peace appropriation of from Professor Johnson, "preceded the improve-\$10, to 12,000,000 for war—as a preparation ment of the intellect, and was the herald of for human butchery, will be likely to give civilization. It is remarkable that we have even the twentieth part of that sum for such no direct enterion of the origin of many of these grasses met with everywhere in cultia purpose, he urges the necessity of individue vation, as mone of them are, to any extent found wild. Some travellers have thought, vas indigenous to Tartary tality, for one sufficiently enlightened to grasp, to Creta, and wheat to Asia, but these might it, and the man who shall have the good sense have been diffused from some cultivated some and liberality, to found the first Agricultural years previously. Corn is not only the sup-College on the enlarged and munificent plant port of man, but the grasses are the subsist-proposed, will secure a fame for all coming ence of the animals which form his nutritime, before whose brightness that of an Alex- ment. The nutritive quality of grasses is ander or a Napoleon would become dim, or principally owing to the augur which they contain, and of which some English grasses contai. large quantities, but the sugar cane is the only grass that is exclusively cultivated for obtaining this article for commerce. grasses are applied to a vast variety of important mechanical purposes; they are found in every part of the world, from the Poles to ator; on the land, as well as floating on the water, and are the universal food of animals."

The botanist has shown that there are

more then 130 distinct intive species and varieties of grass in Great Britain, all possessing distinct properties, and varying in their or impoverish the soil, a question which I shall examine more at length under the head worthless, to those on which his successful farming chiefly depends. The researches, to those of Belford, not carried on during a series of years in the grass girden at Woburn, have added very following are some of the general results of should we discover any thing to justify public that of grammer; it would be something that management of one of my carbest correspondents, the late Mr. George Sandair, the sults were given by him to the public in the Hortus Gramineus Woburnensis, a valuable and claborate work, to which I am elnefly indebted for the matter of this and and other articles upon the grasses. The manner in which these relebrated experiments of the

"Spots of ground, each containing four square feet, in the garden at Wobarn Abbey. were enclosed by boards in such a manner that there was no lateral communication bein these enclosures, and new soils supplied; or mature of soils were made in them, to grasses those soils which seem most favoura. [next proportion to inuclage. ble to their growth, a few varieties being effect of different soils on the same plant .ble the nutritive powers of the different species, equal weights of the dry grasses or vegetable subtances were acted upon by hot water! till all their soluble parts were dissolved; the solution was then evaporated to dryness by a gentle heat in a proper stove, and the matter obtained carefully weighed. This part of the p. 42.j—Furm. Encyclopadia. process was likewise conducted with much address and intelligence by Sinclair, by whom the various details and calculations were furnished. The dry extracts supposed to contain the nutritive matter of the grasses, were sent to me for chemical examination. The composition of some of them is stated immutely; but it will be found, from the general conclusions, that the mode of determining the nutritive power of the grasses, by the quantity of matter they contain soluble in water, is sufficiently accurate for all the purposes of agricultural investigation." (Agr. Cuem.

In regard to the description of soils-1st. By loam, is meant any of the earths combined with decayed animal or vegetable matter. 2d. Clayey loam, when the greatest proportion is clay. 3d. Sandy loam, when the greatest proportion is sand, 4th, Brown loam, when the greatest proportion consist, of decayed vegetable matter. 5th. Rich black loam, when sand, clay, animal, and vegetable matters are combined in unequal proportions, the clay, greatly divided, being in the least proportion, and the sand and vegetable matter in the greatest. The terms light sandy soil, light brown loam, &c., are varieties of the above, as expressed.

The systematical arrangement of grasses is n difficult and unsatisfactory task, and has occupied the attention of many botanists.most recent work upon the subject is Kunth's Agrostographia, published at Berlin in 1836.

In choosing the mixture of grass seeds most valuable for the farmer's soil, many considerations must be taken into calculation; not only the nature of the soil, and the supply of water to which its habits are best adapted. but also the objects which the farmer has in Thus, the meadow fortal (Alopecurus peatensis), although an early, natrative, productive grass, requires more than two years to arrive at perfection; it is, therefore, better adapted for permanent pasture than for the meadow cat's tail or tunothy (Pulcum) pratense, although remarkable for producing the most untritions culms of all the grasses and that, too, in a considerable bulk, yields profession of leaves, which are highly nutritive: has culms or stalks of little value; it is

- culcut nature.

- and mucilage.
- furnish as far as possible to the different colour, and the florets woolly, sugar is in the
 - 6. Grasses which have their flowers in a
- tumn, by Smelar, his Grace's gardner. For long awns; culms lofty, with leaves that and affords more room for the profitable and suc- unce of those lands over which the harrow the purpose of determining, as far as possis rough, contain a greater proportion of saline reesful application of science, which in fact had been drawn, and the yellow, sickly apmatter and butter extractive.

TO CORRESPONDENTS.

J. J. B. Thorold. We are very much gratified if they would meet together, and discuss freely and familiarly Agricultural topics, communiportance transpired, sending a short account insect it in our paper, and by these means on inculculable amount of good would accrue to themselees, and to the country at large. We would be abliged to J. J. It if he would get a free persons of influence, in the places he mentions. prefer something on Agriculture: or. if J. J B.

your misfortune; and though you have mistaken our promise, which was to "farmers" who which its advantages has been proved. Your remarks are in some respects every good, but we have not room for them this week.

CANADA FARMER.

April 9, 1847.

the alternative husbandry. And then, again, AGRICULTURAL COLLEGE, AND principles of those sciences with which it is therefore, as it is for hay, it is of hitle con-therefore, as it is for hay, it is of hitle con-therefore, as it is for hay, it is of hitle con-turist, by L. F. Allen, Esq., Author of the be able to show that this is one of the most fuxurics, without the usual expense of sideration for feeding purposes if sown by itself; it must, therefore, be combined with other grasses. So the cock's foot orchard mer, and one of the best agricultural writers sued in the schools of this country, that might rich or poo. should never be without the grass (Dactylis glomerata), which soon ar- in the State of New York, or indeed in the just as well be dispensed with, if it should be rives at perfection, and yields early and late a United States. We have inserted this article because we think it contains several sugges. too much for the attention of the pupil. We requiring an equal amount of labour. The a grass, therefore, most profitable for feeding tions particularly worthy of consideration by may instance English Grammer. There garden work can, in most cases, be performed purposes. "Under these different relations, the intelligent farme. of Cauada, at the pre-therefore," says Mr. G. Sinclair, "a grass sent moment. There has lately been some should be considered, before it is absolutely talk about establishing an Agricultural Colrejected, or indiscriminately recommended." The knowledge of the relative nutritive lege and Model Farm, in the neighbourhood We have never seen an instance of any real matters contained in different grasses, will also of Toronto. The subject at present, however, benefit derived from such teaching. It more must remind them, at the same time that we not only be a highly important object of re- seems to be lost sight of by the Press, though frequently happens that children acquire so

materially to our stock of knowledge cencern- following are some of the general results of should we discover any thing to justify public that of grammer; it would be something that ing these plants; for, instituted with a published observations of Sinchir:

apprehension. The mestimable benefit such a child could be made to understand and in lie object, and under the careful and skilling and joints, leaves thick and succulent, and flowers adequately supported and properly conducted, nothing more than give him a taste for the of sugar and muchage than those of a less sucof her industry, and in every department of and the effect upon the prosperity of our 2. When this structure is of a light glaus her progress, we need not at present stop to country from the general adoption of this cons colour, the sugar is generally in excess, shew. Upon the healthy and prosperous, means of awakening the attention of the rising 3. Grasses which have culins with small (condition of Agriculture in Canada, every generation to acuseful, so necessary a study, Duke of Bedford were conducted, is thus desponted, collected into a spike thing depends. To foster, encourage, init could not be forefold. or spike-like paniele; leaves thin, flat, rough | prove and protect it, should be the first object and of a light green colour, contain a greater of solicitude with the true patriot, to what-4. Grasses which have culms furnished ever class he may belong, or whatever pursuit with numerous joints; leaves smooth and suc- he may follow, and should also first attract, the spring, wherever it has been properly folthat there was no lateral communication between the earth included by the boards, and
culent: flowers in a spike or close panicle: and longest occupy the attention of the polilowed, has, we believe, been attended with
that of the garden. The soil was removed
florest blunt and large, contain most gluten
them and the Legislator. As agriculture is evident benefit. We have seen a done our-5. When this structure is of a glaucous meoniparably the most important occupation selves, and at the time we had great fears for that in which unfortunately there is to be with the loosened earth, and altogether it adopted for the purpose of ascertaining the panicle, florets pointed or award, points of the found the greatest amount of ignorance, pre- looked like a pacce of foolish, witful destruction. effect of different soils on the same plant.— Colin smooth and succident, contain most must be grasses were either planted, or sown, and their produce ent and collected, and dried at the proper seasons, in summer and authority by Smelar, his Grace's carding for the sound of the same plant.— Colin smooth and succident, contain most must be graded in the grown of the same plant.— There is no field of human last bour (we speak of productive labour) which they seat must be seen in the contrast between the dark, green, healthy, and luxurant appearance of these bour of the graded in the same plant.— Colin smooth and succident, contain most must plante, mismanagement and distinguished in the same plant.— In the grasses were either planted, or sown, citage and extractive.

7. Grasses with flowers in a panicle; florets bour (we speak of productive labour) which adds, green, healthy, and luxurant appearance of the graded in the same plant.— There is no field of human last planted in the same plant.— The grasses were either planted, or sown, citage and extractive.

7. Grasses with flowers in a panicle; florets bour (we speak of productive labour) which adds, green, healthy, and luxurant appearance of the graded in the proper seasons. atter and bitter extractive.

absolutely requires for its tolerable cultivation pearance of those parts that were left. We so Grasses with strong, creeping roots, more preparation, more intelligence and training the practice highly recommended by sespike, contain a greater proportion of buter extract with muchage. (Hort. Gram. Wob. branches. There is none, in which more state that oats, barley bonnes and the practice highly recommended by selective with muchage. (Hort. Gram. Wob. branches. There is none, in which more state that oats, barley bonnes and the practice highly recommended by selective with muchage. (Hort. Gram. Wob. branches. There is none, in which more state that oats, barley bonnes and the practice highly recommended by selective with muchage. branches. There is none, in which more state that oats, barley, hemp, and all spring beneficial, more wonderful results have fullowed the application of scientific knowledge tage whenever the surface of the ground beand philosophical investigation, in so short a comes hard and encrusted, which all clay soils J. B. Thorold. We are very much gratified time, us in this. We might easily refer to are liable to after a heavy rain.

The benefit of harrowing, wethink, will be formed in the country for the same object. And leave that part of the subject until another greatest when applied to wheat fields, which time. Is it not strange, then, that while the have been somewhat winter killed. It should cating to each other the results of their reading, blacksmith must serve his apprenticeship not be attempted until the ground has settled and experience, and, when anything of two before any man will allow him to mail a shown in a transfer of the ground has settled and experience, and, when anything of importance transpored, sending a short account
upon his horse—the surveyor, the doctor, the
should be a light one, with fine teeth and not lawyer, go through a course of preliminary too many of them, may be followed by a roll-We study of years, and finally undergo examinater to press the roots that are laid bare by the tion, and attain permission to practice their harrow into the earth. We should think that several professions, the veriest dolt, he who the morning of a day that promises showers tions, to not as Agents for us. He might, has failed in every other business, and who in the afternoon, would be the most suitable the course of the cause of Agra could not perhaps tell you the difference between a dang-fork and a harrow, thinks himthat we saw it done, and although the plants not step with the 12 names sent. He took more self quite equal to the business of farming! were pretty large, and were consequently trouble than we expect from correspondents, in and that while hundreds of this class are de-congoing the pares enclosed, as these kind of themse and abusing the generous earth, and things can be had in any quantity from our ex-changes, and as it is much easier to set from thousands more of those who have served a know that any thing had been going on in the printed than from written copy, we should much sort of apprenticeship to very ignorant and wheat-field unless from its freshened appearhas a Laterary laste, we should be glad to find maskiful masters, are daily "suffering for lance. Surring the earth encourages tillering, has a laterary taste, we should be glad to find room for how in that department.

L. W., Walsingham. Your case, if you tell the to alter this state of chings! That neither and thus makes up far more than is lost by truth, is certainly a bad one. We commisserate Government nor associations of individuals the few that are destroyed. Some have used who should thank it worth while to try the experi- harrows with wooden teeth, asserting that could not offered to pay 7s. bil for our paper, ment of adopting the same means for the different scale gon a copy on credit, hoping fusion of knowledge upon this subject, and hope these remarks may induce some of our but to send us the subscription. For may, at for the advancement of the interests of all readers who have never tried this practice to teast, induce others to subscrete, who can pays the reast and a treatise on eat food that we asked for, but the statement of an experiment, by (and who is not) that they use mevery other? themselves of as usefulness. From all ap-

umph, gaining in velocity and force as it proceeds, and overcoming all obstacles. We shall advocate the propriety of introducing the study of agriculture, and the elementary AGRICULTURE A BRANCH OF more immediately connected, into our comfound that the addition of another would be never was a greater farce than the attempt to teach children under the age of twelve or fifteen, a knowledge of its rules and principles.

HARROWING GRAIN.

The practice of harrowing wheat fields in -in which the greatest portion of our popu- the result; the wheat plants were trodden lation are, and must ever be engaged, so it is down, some form up, and others covered over

We shall return to this subject again, and pearances there will be occasion to make use we shall not drop it till we see the "ball in of every expedient to remedy the effect of the motion," and in a fair way to roll on in tri- present winter upon the wheat crops of a great part of Canada.

THE GARDEN.

No one who has the control of a square rood of ground should be without a gurden. To those who are engaged in sedentary, in-STUDY IN THE COMMON SCHOOLS. I mon schools. Our common school system is door pursuits, the cultivation of a small gar-We have copied, on our first page, some in a very imperfect state. There is great den affords an agreeable, healthful recreation, essential. There are branches of study pur- such on yments. The farmer, whether " Kitchen Garden." He will find it quite as profitable as any other part of his business, by the female members of the family, except perhaps the digging and manuring of the soil, which, we assure the ladies, we think they ought not to be expected to do. But we thus show our devotion to their interests, we scarch, as connected with their feeding pro- we have been told by a person who has taken great a distaste for that which they have been expose ourselves to the censure of very high

authority, viz., to that of a lady herself. in winter, and require to be protected from the vulsar earth.

Such a garden as almost every furnier may cultivate without treaching upon the Jahours of the field, may be made to supply one-fourth. 1 nt least, of the food which sacquired for the do not forget your gull no

from an English writer, and refer chiefly to the pigs market gardens; many of the hints, however, will be found useful for ordinary

would be the consequence of the frequent repetition of similar plants. This effect is most closes in great thoroughters, where many perceptible when the plants perfect their closes are kept for public conveyances, alphanes perfect their closest their closest for public conveyances, alphanes in the plants perfect their closest for public conveyances. seem, when is senious or never allowed to the space in market gardens; but great attention is paid to the spaces of plants which spaces of plants which space of plants which space of plants which space of plants which space of plants which is great in the spac in e tablishing, is that of avoiding the too fre- laily of flowers, is very great, and the profit of the same natural families. The greater variety cultivated in gardens, in comparison with those who raise them in small quantities is so great that they can afford a liberal price to those who raise them with proper care, so as the common produce on a farm, enables this to keep the varieties distinct.

Principle to be fully acted upon. Those

Many plans have been proposed for the sow or plant the same kind of vegetables in , of them are saited to every situation. which attack the plants, however abundant cular class of vegetables. New sorts may may be the food supplied to them or careful toften be introduced with advantage. The

and dissimilar vegetables may grow together! than the most plausible theories. on the same grow i. Trees bearing fruit! The application of the garden husbandry raised to advantage. Ruspberries, goose-berries, and currants, are planted in the rows between the trees. These rows being thirty or hoe. forty feet apart, leave ample room for vegetables: but in those gardens where the linest vegetables are raised, and natticularly in those which are appropriated to the growth of seeds, no trees are permitted to shade the are kept low and elapped, that they may not give any shade, or harbour small birds.

A garden should always be hid out in a regular form, with narrow parallel beds, and paths between them. One or more roads, of sufficient width to allow a cart to pass, should intersect these beds at right angles, for the convenience of bringing manners and taking with respect to shade and sun. Ordinary of the produce. The beds should not be standard trees should be on the north and standard trees should not be standard trees should be on the north and standard trees should not be standard trees should be on the north and standard trees should not be standard trees should not of the produce. The beds should not be standard trees should be on the north and above six feet wide, so that a person may west sides, near or against the wall or fence, easily pull up weeds or gather the vegetables so as not to shade too much from the sun-without treading upon the beds. The sar- 2. Alternate the crops, and do not plant face soil taken from the paths serves to raise varieties together, lest the pollen should mix. the beds, and in retentive soils may carry off the superfluous water after sudden and violent soil. rains. The who's ground should have been trenched two spits leep or more; and this trenching should be frequently repeated, to mix the upper with the under part of the soil, 1 5. Stirring the ground about well-set plants and distribute the decomposed dung through- is one of the most certain and rapid means of out the whole depth. Thus in time a rich black mould will be produced, in which

Mrs. London, the wife of the celebrated up frost, narrow beds are made, lying in a direc-Mrs. London, the wife of the command up troot, marrow occus are made, sying in a directicultural writer, in her excellent little work of Gardening for Ladies," lays down very particular directions for the mode of diagring there is a surface forms an imple of twenty or thirty degrees with the horizon. This gives the soft preparing and applying the proper the plants a protection from the north winds, kind of manure, making hot heds, Ar. Se thand exposes them more to the influence of the and she gives drawings and descriptions of the envered web many the second street web many many first weather, these heds are and she gives drawings and descriptions of the govered with mats or loose straw. We do implements they must use, and of the little not mention frames covered with glass, as We do barrow which they are to till up, and trapelle they belong to a higher kind of horticulture; along with the a own fair hand. By the blue a moderate hot-bed, made with fresh way, we must not forget that she allows be unknown to the control of the control way, we must not forget that she allows is indepensable for the raising of early vegethem to wear a leather gauntlet, to protect tables. By these means, radishes and various their delicate fingers from the rude touch of salads may be raised very early in the spring. and sometimes in mild waiters, without any interruption the whole year.

An abundant supply of manure is indispensible in a market garden, and this can generally be obtained in large towns at a trifling expense. The neighbourhood of a town is therefore a consumption of his fainly during the sum- necessary circumstance towards the producto assist of the standy chains the sumconsumption of his family chains the sumtion of the crop, as well as its sale. It would out and dried, and, it soaked before cooking,
mer, to say nothing of the air of comfort and
the impossible to make a sufficient quantity of are nearly as good as when first gathered
the impossible to make a sufficient quantity of from the vines.

Perennial products require rosy hae of health such employment im- employed to carry the produce to market, parts to the young lalis, a matter of module and the extent of land usually laid out in garden moment to an affectionate and include in the cattle without tall moment to an affectionate and include in small moment to an affectionate and indulg in cattle without taking up a space which may grape, and, in situations where they will father. We say, then, to all, however multiple more profitably employed. The only nuit thrive, the apricot and peach. But of fruits We extract the remarks b law from Gard nor a Dictionary. They are taken by him state if it were not for the manure made by succession of fruit from June to November.

The profits of a garden near a large city. of the extent of 10 or 12 acres, are as great as that of a farm of ten times the extent culti-Dup trenching in some degree prevents that peculiar deterioration of the soil which purchased manure. But if manure can be obtained at a reasonable rate, as is often the wed, which is seldom or never allowed to bloom though there be no namediate demand for April to July, or until the fruit is sufficiently

gardeners, who overlook this, and repeatedly distribution of the crops in a garden; but none the same spots, are soon aware of their error depends on the nature of the soil, which may by the diminution of the produce, both in by better suited to one kind of produce than quantity and quality, end by various diseases another, and also to the demand for any peraising of any useful plant with great care The principle on which the gardens are cultivated is that of forcing vegetation by makes it advantageous to him to confine himmens of an abundant supply of dung, consist these principally, and raise them in the stant tillage, and occasional watering. The igneratest perfection. An ingenious man will whole surface is converted into a species of tind out what is most for his own advantage; but held and grant togenals game with a material trong the latest dung, which may be sufhot-bed, and crop succeeds crop with a ra-pidity which is truly astonishing. Those tivated for ormanent or for use, a selection regetables which arrive at a marketable state may be made which may be well suited to in the least time are always the most profit. able, and those also for which there is a con-istances of the grower. The practice of the stant demand at all times of the year. With market gardeners may be examined with administration of manufactures, the market vantage; and long experience, with the test gardeners have no for of exhausting the soil, of profit, will lay down better practical rules

may be planted in rows, especially those of must be in the preparation of the soil by deep the dwarf kind, and under them those vege-prenching and digging, carefully drilling or tables which do not require much sun may be abbling all the seeds in rows, stirring the sol between the growing plants, and keeping the ground clear of weeds by the hand and the These last are the most essential part of the cultivation. By daily attention to the progress of the plants, and continual assistance at critical periods, sometimes thinning out, and at other times transplanting to produce an equal crop, and treating every plant ground; even the hedges, if there are any, as if it were a rare plant in a garden, the iground may be made to produce more than double what the most attentive farmer could expect on a larger scale.

These short rules may be added for gar-

- 3. Plant immediately after preparing the
- forwarding vegetables.
- 6. Trench the soil over sixteen or eighteen every kind of vegetable will grow most rapidly. inches deep regularly every four or five years. For early plants, and those which are used taking a fifth part annually.

are concise, and well adapted to farmers :-

"The mouth of May is an important one in the operations of the garden. If not already done, no time should be lost in sowing the seeds of onions, salads, early cabbage, pease, radishes, and in planting early corn and potatoes. The beet, carrot, parship, and and potatoes. summer squash, may also be sown. Cabbages for winter use may be sown in time from the 20th to the 30th. As soon as the soil and the season are warm enough to bring up corn, which here is generally from the 15th to the 20th, plant your melons, pump-kins, and cucumbers, though it will do equally well to plant the latter, for pickles, in the early part of June. The 15th will ordinarily do for Linux beans, which are the best of the bean family. Sook the seed of these in warm water a few hours, and cover them slightly when planted. My practice is to save this crop for winter use. They afford a good product. When frost is apprehended the very little care after they are once established. We will name of fruits, the strawberry, the current, gooseberry, plant, pear, quince grape, and, in situations where they will and in a preserved state during the year.

Plants to begin with will cost from three to five dollars. They may be multiplied by grafting, building, &c. The trees should be so arranged us to shade as little as possible the grounds that are to be tilled. Half n dozen roots of the pie-plant (rhubarb) will furnish abundant materials for pies and tarts, in no wise inferior to the gooseberry, from if kept in good order. For this the ground should be dug deep and made rich.

" The annual products which go towards subsisting a family, and which are seldom produced but in the garden, are numerous, as the onion, beet, carrot, parsnip, cabbage, pense, beans, pot-herbs, salads, radishes, squash, encumber, melon, &c. Some of these are in use most of the season, and most of them afford valuable winter stores."

Correspondence.

THE POTATOE DISEASE.

For the Canada Farmer.

GENTLEMES .- If you think the following emarks might prove servicable to the realers of your highly interesting journal, you will please give them publicity.

In investigating the nature of a disease like that which has destroyed the potatoe crop to a very great extent both in Europe and America during the last few years, we cannot be too cautions in recommending any preventive that we may, by close observation, have discovered. I say partial preventive, because we have no reason to believe that an effectual one has yet been found out, though scientific men have devoted much attention to the subject. We are justified in applying sup-posed antidotes, unless for mere experimentonly so far as they afford usa reasonable pros pect of ample remuneration for all additional labour and expense that may thereby be incurred.

Last year I planted my potatoes in " new land," (something rather unusual in this part of the country) having cleared a few acres principally for the wood, and determined not to leave it in the slovenly condition in which we find so many patches where firewood has been taken off. I thought it might be profitably planted with potatoes and turnips, as it could be easily, prepared in time for these, one man, who performed it with a common hoe. The few weeds that made their appearance during the summer were carefully removed, but no additional earth brought to the hills, which had been made full large when planted, a circumstance that will in part account for the long time occupied in plainting two acres. When the proper senson for digging arrived I was struck with the difference between those that had been planted either in rich vegetable mould mixed with ashes, or fresh clay where knolls had been removed, similarly mixed, and others planted on which the meat is placed with the essensimilar in all respects, excepting that they tial oil of laurel, the smell of wanted the sakes, which were not equally away this troublesome insect.

The following remarks from Judge Buel distributed, on account of the leaves and rubbish in many places not burning, and requiring to be removed. Of this fact I became satisfied, that wherever the ashes were liberally mixed with the soil, which was by far the greater portion, the tubers were nearly all sound, but in the absence of this ingredient more than two-thirds of the tubers showed traces of the disease; upon the whole I had n very good crop. About one bushel in ten being unfit for house-use, were engerly consumed by both pigs undeattle. In confirma-tion of this statement, I may mention that a neighbor planted on "new land," but in consequence of not getting a "good burn" his pointoe crop was affected very materially.

With regard to the failures immediately adjoining my own farm on every side, potatoes were planted on "old-land" with barn-yard manure, and ploughed several times, as is usual for such crops. result may be judged from the fact that nine-tenths of the land thus planted, has remained undisturbed to the present time. The same rule so far as my observations go, may be practiced to great advantage in cultivating

Potatoes planted very early, generally speaking, are the best; but notwithstanding the difference as already noticed in the time in which mine were planted, no perceptible advantage could be observed. In the com-paratively new Townships of this as well as other Districts of Western Canada, scarcely any loss has been sustained in the Potatoe crop; while many farmers of the older Townships, have to go to the "Bush" to get a supply for table use.

The above observations are submitted with reater confidence on account of the writer's having read several well authenticated statements of the application of common ashes to soils that had been cropped for ages, with the most signal success.
A CANADIAN FARMER.

Markham, March 28, 1817.

We strongly recommend the above to the attention of our readers. We had written a few remarks on the effect of salt in preventing the disease, but were obliged to leave them out to make room for our correspondent. A friend in England, who lives on the sea coast, ma lettter just received, states, that scarcely any trace of the disease was seen in a number of fields that had been overflowed by the sea; and from many other experiments, we believe sait, which contains a large portion of soda, and wood ashes, composed chiefly of potash, both alkaline substances, afford the best remedy that has been discovered. We shall go more fully into the consideration of salt as a preventive of the disease and as a manure, the quantity, time, and mode of application, in our next number.

For the Canada Farmer.

Massas, Europs.-In a conversation with a brother farmer, relative to an article which appeared in your journal, (No. 2,) copied from an American paper, on the destruction of the grab and wire-worm, by ploughing the ground three or four inches deeper than usual, and then pressing it down with a heavy roller, so as to prevent their working to the surface; -he observed, that from personal and practical experience. he found, b. sowing and working the land with Buckwheat, eather for gram or manure, will not only effectually destroy them, but at the same time, leave the soil in an enriched and high state of cultivation. One or two crops will be enough to attain the de-

This remedy, he considers much surer than ploughing and rolling, and better adapted to the interests of the farmers of this country than the American plan.

Yours faithfully.

TIMELY HINT-SOOT IN CHIMNEYS.-Towards the latter part of winter, it often happens that the soot in chimneys has become much accumulated, and large fires, in many sparks and burning cinders fall on the roof. If the shingles are dry, the danger is imminent, and many house-burnings doubtless originate in this way, more especially if this happens to take place in the night. To remove the difficulty and danger, burn out the soot in calm wet weather, by setting fire to straw, properly placed in the chimney for this purpose .- [Albany Cultivator.

To PREVENT PLIES ATTACKING MEAT. The butchers of Geneva have a singular mode of preventing flies from attacking the meat in their shops: they rub the walls and boards tial oil of laurel, the smell of which keeps

Civil and Social Department.

EMIGRATION-MR. SULLIVAN'S

LECTURE. will or not, and it will be wise to consider is advanced to support each family for one or strongest of our nature, northose in which Even after they had learned "to chop" mundation of this colony by the overflowing burden of supporting the poor, whose labour sain," is not wanted, is to be borne by the proprietors of any country, it should be by the " princely" landlords of those countries which t produced them. If the Irish landlords will ! reside abroad, and will not break up their. If some splendid edifice which should be

beneficial effect upon those who remain. If will not cease to ask for special privileges. We know that Banking Companies have of the demand for our produce.

Government undertake any project of emigra- The first thing they ask for is, that the limbi- been formed in the United States, with a tion, it will, of course, be with a view to reare received here yearly, now, without any Europeans, but native Yankees; and they from annually imported into Canada, amounts miss the consideration of the effect, not merely proper education? They will make settlers upon the "labour market," but upon every worth having, and will leave room for these other market, of the additional discharge of a new-comes," who, "quackery" though it 50, or 100,000 government emigrants upon may be, we still contend must not come Sullivan has done. If there is to be starva-t parts of the country, and prepare them in tion, and we believe it is sometimes heard of , due time to seek the banks of the Saskatchaeven here, as things are at present; if the wan, or, if you will, "pursue the setting

GENERAL MANUFACTURING

In a former number, we showed the ex-building raised. Let us build upon a ruck inder; and he readily participates in an act thank it quite possible that prices here may tent to which emigration would have to be So long as companies have to go to the Legis- which he would shudder to perform in his suffer a temporary depression, but it can only carried, in order to produce any sensible or lature for special acts of incorporation, they | individual capacity.

move the evils at home; it must, therefore, the Company may be protected in the re- debt to the public by issuing their promises be on a large scale. Government cannot send | fusal to pay their debts. The arguments by | to pay, and to end the affair in bankruptcy. them to the United States, for, as Mr. Sal- which this demand is supported are, that if it Other companies, and in other countries, We make no apology for the frequent livan says, such an attempt would be opposed be refused, capitalists will not engage in the have been formed with precisely the same mention of the subject of emigration. It is at once. Canada, then, is the field that must enterprise; that it is the interest of the public object. Had each stock-holder been responone that will force itself upon the attention be occupied. Well, I t us suppose that the lie to encourage domestic manufactures, and side for the debts of the company, this iniof the people of this country whether they passage" is paid, and that money enough that a refusal on the part of the Legislature quity could not have been practiced. All the to relieve the stockholders from risk and place Scotch Banks are established on the individuit well, before we are obliged to encounter two years after they get here. Did Mr. it upon the shoulders of the public is very un- all habitaty principle; and failure amongst the approaching tide, and submit to all its Sullivan ever shoulder his axe, and go into consequences. There are two great aspects the bush with one of his witty, willing, but of such worthless arguments. To the first Legislature to put an end to charter-mangerin which it presents itself to the people of raw and stipid countrymen? We have done the reply is, that capitalists will enter into mg and the evil consequences to which it ever Canada. The effect upon the country so; and though we considered ourselves that speculation, which promises the greatest leads, by passing a general law on the subwhich the emigrant leaves, including the adepts at the business, and took the greatest amount of profit; that it is not to benefit the ject of manufacturing corporations. Such a effect upon himself, and the effect upon the pains (because our sympathies were culist-country to which he comes. The former ed, and our hearts immed with indignation at formed; that individuals are held liable for all facilities for the formation of companies that formed; that individuals are held hable for all facilities for the formation of companies that is remote from us; our attention is aroused the recital of the oppressions that had com- the debts they contract, and that associations cannot now go into operation without a by words of startling sound it is true, mis- pelled them to leave their native country), of individuals can claim no privilege in their special act of incorporation; it should afford ery, statistion, death; but the feelings of yet we have often been weeks, and m whs corporate capacity, which every individual in to all "a fair stage and no tayour;" it would humanity, compassion, charity, are not the hefore we dare trust them in the woods alone, the community is not entitled to. To the protect the public against possible loss; and second argument, that it is the duty of the under its beingu operations would grow up, we most frequently indulge. The latter (which, to a man who has never handled public to encourage domestic manufactures; not the sickly hot-house plant, shrinking from aspect in which the subject is to be viewed anything but a spade is no easy lesson), if we misser, that in this matter the public has the cool breezes of heaven, nor the tropical is more likely to attract our notice, and to they delayed coming home till after dark, the no duty seperate from its interest. If it be plant, imped by the keen frost of a northern afford us matter for graver reflection. Our lantern was lighted, and two or three persons profitable to buy home manufactures, indivi-wincer; but the domestic oak, planted at a safety, our comfort, in a word, our interest is set off to the bush, expecting to find the dual and national interests unite in saying season, and in a soil and climate congenial concerned. Mr. Sullivan affects to sneer at poor chopper crushed by a tree of his own the "Australian quackery" of those states- filling. Mr. Sullivan refers, in the first part nanufactures be not profitable to the production; spreading its branches with a men who, with Mr. Smith O'Brien, appre- of his lecture, to emigration (as he terms it, cer and the public, the time has not arrived rapidity or slowness proportioned to the hend serious consequences from the sudden though, in our opinion, without much pro- when we can engage in them to advantage, fertility or sterday of the soil, and adorming mundation of this colony by the overflowing priety) in the United States. But who are This position might be illustrated by reference the earth by its foliage.

This position might be illustrated by reference the earth by its foliage.

The position might be illustrated by reference the earth by its foliage. the pauper class. But, if 50,000 families they emigrate? Not the poor and ignorant will take only one example. The cost of the! onsturnance of the labor market, it does not follow, that two, three, or if the Government assist, four times that number can be received this year or next, without great mean venuence.

The total delicency in the supply of food to a large sum, while the non-ore in the township of Marmora, Victoria District, lies in the earth unproductive. A projectionist present year, has been estimated at sixteen this year or next, without great meanwemence artem, is it, in the first instance. He must hearn how. The "newcomers," in Mr. Spring eigens, the high price of grain will cause our farmers to sell every bushed they can sware, without any calculation as to how.

The "newcomers," in Mr. I the first instance. He must would say that the money spent in the must be under the money in thrown inway, as we could keep the money in thrown inway, as we could keep the money in thrown inway, as we could keep the money in thrown inway, as we could keep the money in thrown inway, as we could keep the money in the country, if we chose to work our names, amount that will be required in Europe we can sware, without any calculation as to how. can spare, without any calculation as to how much may be required for the support of one or two congrant families during the sumone or two congrant families during the summer. The potatoe crop is almost sure to the support of the very lowest class (for such they will, would consume more labour in producing a several of the European States there is a deto the very lowest class (for such they will, would consume more labour in producing a several of the European States there is a deto the very lowest class (for such they will, would consume more labour in producing a several of the European States there is an overplus,
mer. The potatoe crop is almost sure to the sumto the very lowest class (for such they will, would consume more labour in producing a several of the European States there is an overplus,
mer. The potatoe crop is almost sure to the sumto the very lowest class (for such they will, would consume more labour in producing a several of the European States there is an overplus. mer. The potatoe crop is almost sure to fail, there are not more potatoes now in the country than will be required for seed, and twen this and Lake Huron! Who will be sufficient, by an exchange of products, to bably be able to simply ten inflines of their first or grand at, to make a lose by the dom six operation. This is a fairness than doubt when the sufficient of the cultivation of the soil, would be sufficient, by an exchange of products, to bably be able to simply ten inflines of the total deficiency purchase the iron from England, we should there is no question that the total deficiency purchase the iron from England, we should be purchase the iron form England. This is a fairness of the cultivation. This is a fairness of the cultivation of the soil, would be able to simply ten inflines of the cultivation of the soil, would be able to simply ten inflines. when we know that the roluntary emigration will be more than double what it ever has been in any previous year: that immenses has been in any previous year: that immenses has been in oney are being sent out of the soundry, not only by public charity, but by and grow their bread? No, they would country, not only by public charity, but by and grow their bread? No, they would a national loss instead of securing about forty inflions of barrels of Flour, & over commany to ask special advantages, on the one hundred inflions of barrels of Corn for excommany to ask special advantages, on the one hundred inflions of barrels of Corn for excommany to ask special advantages, on the one hundred inflions of barrels of Corn for excommany to ask special advantages. of enabling their friends at home to "come do; they would flock in upon the settle- company to ask special advantages, on the one hundred inflions of bushels of Corn for exout," which strips them of their present means of support for themselves except their not much better than they are mat present, benefit the public, is to ask what they have exported, will more than supply the deficimeans of support for themselves except their hot much better than they are mean appeared. Sometiments of the power of helping to relieve the wants of their friends when they arrive; when we look at all these constants of our fatures, or to emigrants who came to the continuance of cold weather the continuance of cold when they arrive; when we look at all these things, we confess we are not disposed to distance. Canadians, or to emigrants who came things, we confess we are not disposed to distance the consultance of the effect, not merely the entry of the exactly of the consultance of the effect, not merely the entry of the exactly of the consultance of the effect, not merely the exactly of the consultance of the effect, not merely the exactly of the consultance of the effect, not merely the exactly of the consultance of the effect, not merely the exactly of the consultance of the effect, not merely the exactly of the entry of the exactly of manufactures. It is to give encouragement ing the grain to England, will tend to keep up to fraud, and hold out a premium to bank-prices to a high point in Europe, and to ruptey. If the company know that, like the depress them at least temporarily here. our shores, so flippantiy and summarily as Mr. faster than we can employ them in the settled rest of the community, they will be held. There will be a large accumulation of grain in responsible for all the debts they may con- the American sca-ports, from which, for tract, the motives to act with produce will want of vessels, the deflux will not be able to be as strong as the instinct of self presertice, keep pace with the influx, so rapidly will vation. But if, after contracting debts to ten the grain pour in from Onio, Michigan, Illintimes the amount of their capital, the law ois, Wisconsin, and the other great produccompels them to pay only to the amount of ing States of the Union. The scarcity of their shares subscribed; what a strong motive does it give them to deal fraudulently that the rates of freight from the Danube, with their creditors! Their greatest prenni Odessa, and the Baltic, are about 40 per pleasure grounds, and will not cultivate their the glory of our country, were about to be any advantage then his in bankruptcy; and cent higher than in ordinary years; a fact estates in improved modes, so as to give more built, the architect who should plan, the there is no check against their following which proves pretty conclusively that if for-labour and more food, and if like Lord (milder who should execute, and the public this advantage through the dark makes of eight vessels could ascend the St. Lawrence, labour and more food, and if like Lord builder who should execute, and the public this advantage through the dark mazes of eight vessels come account and if the trade of the Western States would be drawn, come, but the slight barrier which their com- and if the trade of the Western States would be drawn, not the care they have for their take that channel, the rates of freight would for the paltry sum of £20! on the same list would all be interested in having the foundation, and the care they have for their take that channel, the rates of freight would with those of merchants, artizans, and others, it ion laid on firm ground. If the foundation reputation, may raise! But whoever heard not be materially lowered this season, as there who subscribe £100 and £200 to relieve their were laid in sand, destruction of the building of a corporation, a thing proverbally soulless, are no vessels which can conveniently be starving countrymen, let some plan be devised and rum to the public, would follow, and being computetious feelings, or caring transferred from the European to the Amerito obuge them to give labour and food to their shame and remorse would fall upon the un-own poor. But do not send paupers here in skilful architect and builder. Just so it will bankruptcy, falls upon no individual; the American ports arises from the fact. such numbers as to impose grictous burdens the with our manufactures. If laws based responsibility is so divided that it is impossi- that nautical disasters have been uncomupon the industrious, though not "princely," on corruption, be framed and passed by our ble to fix it upon any one. It is a consci- monly frequent during the last year, and that farmers of this country, and to ensure cer- Legislature, the result will be wale-spread onsness of this absence of moral responsibilities amount of produce to be shipped to tain suffering to the poor wretches them- and disastrous ruin. The time has come ty, united to an ordinary love of gain, that Europe is vastly greater than in previous when the foundation must be laid, and the quiets all scruples in the breast of the stock- years. In view of these circumstances we

lity of the stock-holders may be limited: that | premeditated determination to get largely in

THE CORN TRADE OF AMERICA.

vessels in Europe also is proved by the fact, be temporary, as there will be no diminution

GOD SAVE THE PLOUGH.

The following nervous tribute to the Plough is a from the pen of the gitted Mrs. Signarney, and j appreciated by those who guide the Ploughshure.

> See-how the shining share Make: to the earth's bosom fair,-Make?" the earn's toeson on,— Crowning her bow — Breid in its furrow springs Health and repose it brings, Treas tres tinkn own to kings, God save the plough '

> Look to the warmo's blade While o'er the tented glade, If ite breathes his vow,-Strife its unsweathing wakes, Love at its lightning quakes, Weeping and woo it makes, God save the plough!

Ships o'er the deep may ride, Storms wreck their binner'd pride. Waves whelm their prow, But the well-loaded warn Garnereth the golden grain, Gladdening the househeld-train, God save the plough!

Who are the truly great? Minio is of pomp and state, Where the crowd how? Give us hard hands and free, 'alturers of field and tree, Best friends of liberty God save the plough!

Literary Department.

LECTURE, BEFORE THE ME-CHANICS INSTITUTE.

become the United States, tien, to receive

The settlers in Canada would no doubt find it profittle to receive a Libouring population, if the effect would be to reduce wages. I mean to say that the 10,000 families which Mr. Smith O'Heren tot receivem extensive pumper population at the Atlantic city, they will receive any number that present themselves on their boundaries who are land-holders in expense they all then hang on the Government for present subsettince tal they cantind employers; when they do find employers, it will be at a rate of wagesprobaby reduced to five or six dollars a month. Then all the farm servants in Canada will find their wates reduced to the same rate; then all these will pack up and away into the then all these will pack up and away into the United States. Your new labourers will remain with you just until they have enough of money to enable then to go axay. Then you follow the same process next year, your next year's emigration deplaces your obtone, at your expense, all to tion displaces your obtone, at your expense, all the savings of labour, all the expenditure of Government, all the private caunty, will thus be employed it finding a population for the United States, and be process fast common until, by dooding that fatenesses confinent with your Liboure of Augustian region to a process. ers, you reduce the price offabour there, and until that price reats upon this country.

This will never do. We have seen the same course of excits on a small wide, and often. It is true that wer an receive into Canada in its present improved fondition, very hany more labourers than ever lifore were received, and we can re tain them by paring the same wages they would receive in the fixed States and if any be dissuisfied, we cantafford to lose them. But all this will be accomplished by ordinary emigration; it will not afford the refer we wish togain. Therefore he is the probability to the five levels of the state of the levels fore let us leave the Libour marketto uself, and not attempt by aty Australian quartery to regulate matters whole become our control, and utterly independent of our interference. We must sain find some underby which the Mother Country can be releavedly they population, it sufficient numbers to afford which without great recommenders. numbers to afford elief without great neons emence, and, if possible, with advantage to surselves.

I have shown youhow the Americans emigrate, the simple mode in specimes, provide for a population, which choosed to consider itself in excess.

countrymen across the Adantic, and that it would be cheaper to do so, than to maintain them at home. Our countrymen have not the means of purchasing land; but the servement of our rear country is of a thousand time-toric importance to us than its paltry price is we stands. I never saw a dollar taken by Government from a settler as the price of land, that I did not thank it a loss to the public. Believe me, the money can be nowhere better than in the scaler's packet—if he his it, and if he has not, let us get our country settled at all events. Here is the passage mail, the land given, the settler arrived without and scattered mainbants which mike roads so had country is of a thousand time—nore importance to us than its patry price is well ands. I never saw a dollar taken by Government from a settler as the price of land, that I did not think it a loss to the public. Believe me, the money can be nowhere better than in the scaler's packet—if he has it, and if he has not, let us get our cointry settled at all events. Here is the passage paid, the land given, the settler arrived without disturbing the status of any one. What then re-mains—but, that he has not the means of settling on land; that is, he connot feed himself until his first crops are gathered.

Mr. Sullivan then referred to the settlement at Peterboro, under Mr. Peter Robinson, which cost ¿£22, a head. He thinks it would not cost half that sum now. He stated an anecdote of a settler who had gone into the bush without any means, and made houself rich, and said it was the history of thou- from whom the Lingrants come, not to leave sands who are now independent.

But let us return to our subject. I have got my settlers here, and I have got land for them, and I only want the means of maintening them a year in Canada, instead of maintaining them for veral years in Ireland. How shall this be done? Why simply by advancing the money, and chargting it on the land. Those who require but little, to be charged with lufte; those who require to be inded to the full extent of a year's provision, to be charged with it; their deeds to be withfield. FYPRACT FROM MR. SULLIVAN'S and the money is repaid, with interest. advance, including all expenses, need not, I am sure, he more than at the rate of £1 a head, or £20 for each family of five.

Can they repay the money! Most certainly to literary and private emigration, we have to turn to tectolomes, and see what resources they offer the purpose of reciption of emigrants.

The settlers in Canada would no doubt find it that its \$\text{0}\$, find games when are \$\text{0}\$, for even three times place, who will buy the 1 nd, and the fand will the rise of Irish wages. But we shall see in a movement that would be the consequence of such moment that would be the consequence of such a movement. For, though the United States will be opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be come the possible opened for free grant it will be opened for free grant it will be possible opened for free grant it wil million of surplus population provided for, who can be received in this country firty than all available means of transport could bring them without any inconvenience. Would not this be

There are between this city and Lake Huron, I should think, two millions of acres which might would our attreats be filled with shops; then should think, two millions of acres which might would our attreats be filled with shops; then be settled in this way. An appropriation of hity acres to each family would provide for forty thousand families, or 200,000 people. Twenty thousand families, or 200,000 people. Twenty thousand then we may speak of rivalry of our neighbours, and then we may speak of rivalry of our neighbours, and then we may speak of rivalry of our neighbours, I shall tell you bye and bye what shall be come of us if these things do not take paster speak and towns, and thus you would have 220,000 place.

I dare say by this time I have established my character for being visionity and over-aracent, and impatient; but Livio to leadyou yet farther the country between Lake Huron and the Otawy. Just take the map of Canada—but no, that will be confined to this quarter; the greater part of the country between Lake Huron and the Ottawa is vacanttional inhabitants at once. If you bring her 500,000, she will still be an experting country; but the best market she can have is at home.

In the course of three or four years, most of these settlers will have provisions to sell; those who do not succeed as well as others, will find the simple mode in special to decrease the simple mode in special to consider itself in excess. They are able to do his on more advantageous terms than we can do for their poorest people manage without assistance, to journey to the land on which they mean hostile, and to pay asmall price for it besides. The great States of Michgan, lown, Missonri, are in the course of rapid scalement in this manner ask in the State of Wisionshin, a country lying considerably to the Northwest of this place, in oblining and District, 760,400 acres were disposed of lay year. The American settlers would have peopled Canada at least one portion of it, thickly, long 150, if they could have been permitted to do so. Indeed, so far as I amable to judge, they have a shong inclination to despite with settlers, than they how-our countryment have greater numbers from place to supply us with settlers, than they how-our countryment have fifty times the inducement to emigrate, and yet this country is almost a devirt; even the little permitted. What is the redon? Our countryment forward into the United States trainty, is not one quarter settled. What is the redon? Our countryment are too contented; they have not the realless amintion of Americans to be ther their condition; but poverty and privation will drive them from home. They have not the realless amintion of Americans to be their poor. provisions for their work; and all of them who want necessaries, will find employment at favoura-Young cattle, pigs, succep, seed, hone-unadeciath: A little to the westward of Lake Superior is ing. Fill your country thus, and you will have Lake Winnessy, and into Lake Winnipeg runs cheap labour, because it will be labour where it is wanting, and the men will be confined within your country by the best of an honds, property.— I take Winnessy, and into Lake Winnipeg runs. American enterprise and success; but who will wanting, and the men will be confined within your country by the best of an honds, property.— discharges us a start toward.

countrymen across the Atlantic, and that it would little use for roads. Furnish them with their first and scattered inhabitants which make roads so had and difficult. Give me a tolerably thickly settled population who have real use for roads, and I will

them without clergymen, priests, and manisters.— Zealous men they must be who have their voca-non at heart, and who will not turn from a settler's fare. For their support, in the first instance, and for the erection of the first homely places of wor-ship. I should trust to the contributions of the godly and charitable in the country from whence the settlers came,—the future should be left to the Langrants themselves.—Schools I should leave to be provided for by the Legislature of the country. At first it would be abourd to think of them, but in the course of three or four years the new Emgrants, with the same public aid extended to the rest of the country, would be able to provide for themselves.

I have hitherto spoken of this concourse of peoupon the land; in the midst of settlement it will be worth far more than the sum advanced; there will be plenty of men willing to purchase. The settler may turn labourer; or he may go to the United States, if he chooses; others will take his place, who will buy the 1 ind, and the fand will be general, for the charge upon the land will be its prec. It will no looses to general the consequence of the charge upon the land will be its prec. It will no looses to general take the consequence of the charge upon the land will be its prec. It will no looses to general take the consequence of the charge upon the land will be its prec. It will no looses to general take the charge upon the land will be its prec. It will no looses to general take the charge upon the land will be its prece. It will no looses to general take the charge upon the land will be its prece. It will no looses to general take the charge upon the land will be its prece. It will no looses to general take the charge upon the land will be its prece. It will no looses to general take the second of the charge upon the land will be its precedent to general take the second of the charge upon the land will be its precedent to general take the second of the charge upon the land will be its precedent to general take the second of the charge upon the land will be its precedent to general take the land will be shown the charge upon the land will be its precedent to general take the advantage they have over us is a month's voyage across the Attantic, and there will be advantage they have over us is a month's voyage across the Attantic, and there will be advantage they have over us is a month's voyage across the Attantic, and there will be advantage they have over us is a month's voyage across the Attantic, and there will be advantage they have over us is a month's voyage across the Attantic, and there will be advantage they have over us is a month's voyage across the Attantic, and there will be advantage they have over us is a month's voyage across the Attantic, a than all enough for the accommodation of the new settlers, if they bring it not with them. What would be the effect of such a set lement of the back country upon our frontier towns? Why, it is almost available means of transport could bring them without any inconvenience. Would not this be an object gained worth the expenditure? Twenty influous, sterling, was paid for the redeap from of the West Indies slaves. Are the iniseries of the poor in Ireland less, or their claims on the country less, or the diffruities caused to the Government by their condition less there in the case of the West India slaves? The emancipation of the latter was a pecuniary loss to the revenue and trade of the nation. Is it not absolutely certain that the addition of a million to the population of Canada would be a great gain the way of commerce and Consumption of British manufactures?

There are between this city and Lake Huron, I There are between this city and Lake Huron, I Then would our streets be filled with shops; then

whole regions are without an inhabi-not do—take the map of Canada—but no, that will not do—take the map of North America, and look is vacant—whole regions are without an innan-tant, and millions of no. 1 might be sustained by cultivating them. Provisions are abundant and cheap in the country. Upper Canadi, with her present products, could sustain a million of addi-tional inhabitants at once. If you bring her 500-000, she will still be an exporting country; the state of that glorious inland sea, Lake fluron, I say noming of the maneral treasures of its northern shores, or those of our own Lake fluron, but I ask you to go with me to the head of Lake Superior, to the hounday line; you will say that a cold journey, but I tell you the climate still have the head of improves as you go westward. At the head of Lake Superior, we surmount a height of land, and then descend into the real garden of the Brit-ish possessions, of which so few know anything. Books tells you little of the country, and what they do say, will deceive and mislead you. I tell you what Thave heard directly from your towns-men, Mr. Angus Bethune, and indirectly from Mr. Ermatinger, very lately from that coun-

discharges its waters towards and into Hadson's Bay. This river runs from west to east fifteen Bay. handred indes without an obstruction—it is navi-gable for house carrying ten or twelve tons, it runs through a country diversified with prairie, rich grass, clumps of forest, and in one of the branches of the rivers are coal heds, out of which coals can be obtained by any one with a spade in his hand or without, and the plains are covered by the wild Buffile of America. I am told that you may drive a waggon from one end to the other of this country of the Saskatchawan, and I am told, norcover, that it is superior in soil and equal in climate to any part of Canada, and that it produ-ces wheat, harley, oats, potatoes, in short, all the crops of temperate climates in abundance. North of the boundary line, and still keeping within a climate equal to that of Montreal on the North, and to this place in the South, you have a breadth of perhaps aix hundred miles; by a length of eight-

country and climate equal to that of the powerful country and climate equal to that of the powerful States in the North of Europe. Here is a country worth all Canada, told twenty times over, it was still more valuable until 1822, when in one of these accurs of Yankee negotiations, two degrees of latitude, from the head of Lake Superior to the Rocky Mountains, were given up to our moderate neighbors. The lost territory takes in the great bend of the Missouri, and the whole territory is marked as greatestable by the market of the ratory is nearly as accessible by the way of the Missi-supprand its tributary waters from the ocean, as the place you sit in.

population who have real use for roads, form Gaspa to the Rocky Mountains. You may proceed by making the roads first, and it is not a bad plan when there is plenty of money, but the way I have seen succeed hest, is, to find the people first, and let the roads come after.

Well then, in the next place I shall be told to when the control of the mexicon who is the wealth of ground in which to raise their food. That had another the wealth is the weal Now the Russian empire contains more than have the United States—a country thinly in thited, busy spreading its conquests to the southward—a nation by no means uch in money, having little plan in policy, and searcely any power of Executive Government; and this country have been searched. try, by the sole and undirected energy of indi-vidual curzens, is rapidly advancing upon one splendid field of the best portion, which we have scarcely heard of, or only heard of, to neglect and despise Already Michigan is peopled, Missouri, and Iowa are filling with inhabitants. Now they speak of induing the new States, which are to reach the British boundary, and they have the audacity to speak of the Saskatchawan as a river which they must have, with its fertile plants and beautious lakes and streams, three hundred niles within our boundary—because they say it is the way to their ill-gotten acquisition in Oregon. Now all the advantage they have over us is a

session of some successful suffer, or of some mention of the country. Then suppose the passage monor most, and the business, and the business of the business, and the business of the business, and the business of the business present therefore on their boundaries who are lever to Toronto, or to the mind, paid by the find-holders, and an advance or loan of four null-holders, and there who will use them,—let them four public lands are held back from settlement, thouse proper sites of Towns, so that they may and kept up for years. Why, the consequence them bring on the Government of surplus population provided for, who are the find-holders, and an advance or loan of four null-holders, and an advance or loan of thems.—Let them four public lands of these who will use them.—Let them four public lands of these who will use them.—Let them four public lands of the care of the null-sites, that they may an advance or loan of the supplies of these who will use them which a wholesome distribution of the people of the empire ought to cause, we must fall at no distant period into dependence on the American Re-public. Then indeed, British subjects will come and settle among us, and they will buy the land from strangers, which their forefathers bled to win and to maintain, and England will have the satisfaction of considering that she was very careful in beeping the peace, and very learned, respecting the labour market of America. I have not the happiness of supposing, for a moment, that any, the most distant approach to my plan, will be adopted. Something I have heard of log houses being built, of acre lots being appropriated to labourers, when they can buy them—every care he mg taken, that they might have no temptation to rise beyond the condition of Labourers; something I have being about the progression of classes. thing I have heard about the necessity of cheap abour, and the fe r of disturbing our labour market, but I have h. rd of nothing which will do us, or the Empire, any good. The objects I have in view, are too general, they promise no manediate (Actusive benefit, to any class or party, here or at home; the unhappy people, who would benefit by my plan, are unrepresented, poor and powerby ny prin, are infepresented, poor and power-less, and I know, even in this country, none who would reap exclusive advantages from what I pro-pose. Money would be required to carry out my system, strict vigilence and intiring superinten-dence, would be necessary, from the representa-tive of Her Majesty, down to the lowest officer employed: otherwise, the whole plan would be a job and a fadure. But there is no fear of this, the attempt will never be made, and I shall have, for my share of the project, to bear the ridicule attached to the character of a dreamer, and a visionary.

And now, ladies and gentlemen, I have to thank on for coming to listen to me, and still more for your patient and favourable audience. The facts I have stated to you are not new or doubtful. My opinious may be questionable, I may have been led to with too much for my native country and for this, I may have spoken too harshly of them who, with the example of Americans before them, will think it Liberal and wise to prince

what is worse. I probably have made a very inte-resting subject dull and tedious; at all events, however. I shall have called public attention, here, to the subject most important and interesting of all, both to this any the mother country, and I shall be more ready and willing to learn—than I have been to lecture.

CIRCUMSTANTIAL EVIDENCE.

In reading the narrative of cicromstantial evidence in your paper, I was forcibly reminded of a case which came under my personal notice, many years since. A schooner sailed from New York for Charleston, S. C., with some 18 or 20 passengers. On the voyage some hashed most was served for dinner, and while eating it several passengers became sick, and it was suspected that poison was the cause. The cook, a black man; was suspected, and ofter charging him with the deed, which he demed, the caption isked him to eat of the meat, which he defluid. Some one or two of the passengers died. When the vessel arrived at Charleston, the cook was arrested, and teld for trial. The mate of the vessel was not to sentenced to behung. A visited from a prison, and beard from many times, assert his annotance. He wes allowed a Minister of the Gospel to visithin to whom he asserted his meacence in large 120, so convincing, that on the seafford he stated his firm the left that he was innocent. I saw him hing and the left words he uttered. I shad never forget— I die in innocent man," said be, in a solemn and convincing tone, that seemed to carry conviction through the spectators, of his imporence, but nothing could save him. Many years passed, and this seems was barred in the thoughts of mose ho watnessed it, but I could never farget it -We all remember the phases who were hong in elects the York and Newcastle with the Berwick tostity years ago. One of hem was labbs, who, ranway, he ascertained that the supergraphy of the the writer; and is one of the many instances of I gai much r—the result of circumstantial evie-mee - Boston Wing.

THE STARS AND THE CARTH.

or nationing, the usual annovance being dispensed with by the substitution of gores of guin clastic scout the time that Charles the Second hid himself in the oak. The ray of a star of the tourth regulinde must have started for reference by and y are got to be visible to us now. This conclision, when applied to execut if the torons we started for the tourner product of the torons when applied to execut if the torons we started for the torons when applied to execut if the torons we started facilitating the migratory nowers of the when applied to each of the former postums, wearer. In addition to its great comfort and gives the following results:—We do not see that convenience it is elegant mappearance and does before: i.e. the moon may already have been disperson into atoms for more than a second, and we shall sal see it entire and perfect. We do not see the san as at now is, but as dwas a second and a parter before. Jupiter, as it was fidy two more utes: Unions as it was more than two hours, before; the star in Centrair as it was three years effect the star in Centrair as it was three years effect, as it was more and a government of the star in Centrair as it was three years effective. ocao, Vene sar in Concrar as a was three years; ocao, Vene sar in was inno and a quarter vene; ocal a star of the twelfili magnetule is at was four togs and years ago — (The Stars and the Tarth; or Thougas on Time, Space, and Liernity.)

A WORD TO BOYS

ever tank of this great word, who all its mines and mount in a degree; but I am not aware that any very decreases and rivers; with all its shepping, as a degree; but I am not aware that any very decreases and rivers; with all its shepping, as a degree; but I am not aware that any very decreases and rivers; with all its militions of darkly groung men, and of German birth, who has been for three or four the leavest and dwell on the song; and who has been for three or four the leavest every eye glisten, and dwell on the song; and every eye glisten, and the project through the projec that all the science and progress of ages, will some is a practical diver, has been for three or four be given over to the hands of the Boys of the present age; boys like your assembled in school rooms or playing without them on both sides of the Atlantic? Believe it, and look abroad upon the Atlantic? Believe it, and look abroad upon the internance, and get ready to enter upon its possession. The Kings, Presidents, Gover-Ingings."

Lappers have obtained an income which may cent superior to any other, how be estimated of 25,900 francs per veir; and yet they have a large gratuous inn for travelors, and receives ten visitors a day. All SUBMARINE EXPLO t e colonists without employment, the convoles-cents from the hospitals and the magent are sare to find there work, sacour, and creat, no the inst few days, completed the removal of three one has ever been refused. The Transpiss have increased the value of their estates to the value sunken wrecks, which have for some considera-of 400,000 frames. They sell a surplus of caule, ple time greatly impeded the navigation of the which are much sought after, and Staoneh meat river in the Lower Hope. Their removal was is everywhere considered the loss They have planted 3,000 mulberry trees, 1 000 front trees and, as an experiment, three acres of vines. They Anna can vated and sown for acres, or which 4 date ceared and laid down for pastare, 117 for wheat 27 planted for coppice wood; finally, 30 coarsed and remaining fallow. They rear 1025 of them were blown out of the water to the extensions, of which 57 are African or Luropean town, however, however, and leaves, 690 rears, ewes, and lambs, by the raising of a huge column of water to about 100 individuals, of whom 60 belong to the religious order, 39 workmen, and 10 visitors. They have creeted a square building as a mon-acity, a large and bandsome chapel, a farm, mile, various workshops for smiths, wheelwrights, carpenters, turners, a bake-house, and wash-house, being together a building of 146 feet in length, building, and a large am on the road-side for trivellers. The value of these buildings exceeds 500,000 francs.

VITAL STATISTICS -A statistical reporateyt, I published by order of the State of Massacusetts gives the following facts in relation to the duranon of life in the several trades and professions: The average age of the clergymen was 64.07 tool for trial. The mate of the vessel was not to vears; of the gendemen without professions 65:20; 5 (found, and no one knew han, or where he had Merchauts 55:67), baleksmiths 51:09; carpenters gone. The cook was brought to trial [A. New [48:91; coopers 54:21]) betness makers 38; malangland Lewyer defended hum [A. was present some [9:50]] printers 40:25; printers 32:50; substitute trial and the only surfaces and state of the coopers 54:41. stresses 38 83 ; and tailoresses 38 71 years 10

Scientific.

A Novem and Userer Discovery in Trox-Mr. Stephenson, after a variety of experiments, has discovered that the cold blast is much superior pig-iron 1, notwoh-triading the fatter carrying more money in the market.—{ English paper.

A MOST COMPORTABLE INVENTION-AN ELEGANT SHOE.

A friend has called our attention to an inven-tion which upnears likely to become university greatly facilitating the inigratory powers of the wearer. In addition to its great comfort and soon as it now is, but as a was isseeond a aquarter anot cost more than the ordinary breed shoes and At the South where high boots are both

IMPROVEMENT IN LEATHER.

The durability which faining gives to leather, without destroying its clasticity, is an illustration of the adaption of one substance to enhance the value of another. The immense consumption of author, and the great daliculty in augmenting its a The learned Backsomer says: Boys, dol you ever tank of this great world, with an its wealth and wor; with all its images and mountains, of fraging bother. They have been successful in Of what arit thou dreaming? The gaze of the the possession. The Kings, Presidents, Governors, Statesmen, Philosophers, Ministers, Teachers, Men of the future, are all Boys, whose feet a upon which they are learning to extend the monosyllables of their respective to the hands and the taming liquid their respective to the hands and the taming liquid their mans of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mares of the leather from which the arrians been mare so the leather from which the arrians been mare so the leather from which the arrians been mare so the leather from which the arrians been mare so the leather from which the arrians been mare so the leather from which the arrians been mare so the leather from which the arrians been mare so the leather from which the arrians leather from the first control of the first nores of the leather from which the air has been Mr. G. the inventor of this process, Tit. Taverists.—Mr. M igg. at a late meet considers that tanning, in the ordinary method, existed as a late number of the Pars I meet trainer of the latter and cuts the fibre under the trainer to the Trappists at Stannia, showing of the wearer. Fermentation destroys the tennost excellent form in urigement. Founded with dence to crystallize, and gives a much increased about latte more than 13.0.19 frames a year, the leather made by this process to be 20 to 50 per harmests have obtained an income which may been superior to any other.

SUBMARINE EXPLOSION IN THE THAMES.

The Harbor-master, Capt. Fishes, has within sunken wrecks, which have for some consideraeffected by submarine explosions, of various charges, averaging from 50 to 500 pounds, fired by means of galvanic battery. An immense shoal of fish was passing the spot, and nearly the whole of them were blown out of the water to the exvolcano. The river from London-bridge to the Nore is now perfectly free from obstruction.-The dangerous shoat of hard shingle off Linchines-reach, which stopped the navigation of vessels of a large draugh; at low water, has recently been entirely removed by the same means. The depth of water has been increased from 4 to 17 feet at low water .- [London Globe.

MINUTE AQUATIC WONDERS.

collected from a pond on Clapham Commons, I (and here, as in every other country, there me select a small twig, to which are attached a few districtions of class) they are of gold. A few delicate tlakes, apparently of some and jelly .- days ago, my friend Ben Jussof invited nie to go Some minute fibres standing erect here and there with him to his house. I, of course, seized with on the twig are used dually visible, to the maked july this opportunity of sexual hard in his domestic at me trial and the only evidence against him, makers 42:33; ship-makers 42: tailors 51:40; eye. This twig, with a drop or two of water, circle. He knowed at the door, which is invariant was the fact that he refused to cut the possible timmen 37. Theoriers 19; fishermen, 45:14; we will put between two thin plates of glass, and by kept shut by day and by night in all Arch sound not save him. He was found gulty and sequenced to belong. Typical doors and sound not save him. The was found gulty and sequenced to belong. Typical house was found gulty and sequenced to belong. Typical house was found gulty and sequenced to belong. Typical house was found gulty and sequenced to belong. Typical house was found gulty and sequenced to belong. Typical house was found gulty and sequenced to belong. Typical house was found gulty and sequenced to belong. Typical house was found gulty and sequenced to belong. Typical house was the days of the da having lenses that magnly the image of an elgect, who was there. At Ben Jossut's answer the door this abstract no person under 20 years of age is two bundled times in linear dimensions. Upon was opened; but, when the woman saw me with meladed, as it is supposed that occupations have no looking through the instrument we find the fluid her husband, she instandy concealed her face parts of it in the original time. Swarming with annuals of various shows and an I was about to ron according to the door method. swarming with animals of various shipes and and was about to ron away. My friend, however, magnitudes. Some are during through the was commanded her to remain. She was his wife, ter with great rapidity, while others are pursus, and besides her, be had two others, who were ing and devouring creatures more infinitesimal seated cross-legged in the court, one of them than Comseives. Many are attached to the torig granding corn in a hand-hall, the other combine by long delicate threads. (the Vorticella) See the han of a boy about five or six years old. I to the hot blast from In the construction of the veral have men bodies encoused in a transparent should have guessed them all three to be at least level bridge at Newcastleon-Tyne, which connects the York and Newcastle with the Berwick profess the York and Newcastle with the Berwick profess and then receives the Fiscolaria of all unfer five and twenty. Their faces and figuring the receiver the receiver the superiority of the receiver the recei while maders are covered with an elegant such ares were withered, and the bloom of youth ref so event has considered that schowner, put one over the other was in proportion of 9 to 7 while nanders are covered with an elegant small titles were with red, and the bluom of youth to as considered and of the rest of the tree of millions might be contained in a single drop of at thirty they are old matrons. They all seeme water, appear like mere ammated globules, free to live in perfect harmony, and the manner of the and single, and of various colors, sporting about women towards their lord and master was oblim every direction. Anmerous species resomble ing even to servity. To judge by appearance, pearly or epaline cops or vases, fringed around at most be easier to keep house with three wifes the margin will deheate flores that are in con- than with one. Perhaps the rule, "dienfit Laborated \$13,00) unless in a second. There's planted as it certainly deserves to be. The miner stant occidation (the Vorticellas). Some of these impera," holds good miove as well as in policis, we 'o not see the moon till a second and a which the deserving inventors. Messrs. DuPont are attached by should rendrife; others are unit. I must, however, contess that I do not envy the state of a star of the seventh magnitude travers. The very ray with by the substantion of gares of game of game of a goldner on a tabular or sphere of the seventh magnitude travers. The very ray with by the substantion of gares of game of gether in a definite pattern on a tabular or spherical membraneous case for a certain period of their existence, and ultimately become detached and locomotive, (the Comum and Volvox). while many are permanently clustered together, and die if seperated from the parent mass. No organs of progressive motion similar to those of and the Morning Post. It was a great deal betbeasts, birds, or fishes, are observable in these beings, yet they traverse the water with rapidity, without the aid of has or limber and, though many with a series of articles like the following: species are destitute of eyes, yet all possess an accurate perception of the presence of other bodies, and parsag and capture their prey with anerring parpos

For the Ladies.

TALSE ONE: I MEET THEE!

Palse one, they know not how perjured thou art The well, for I show not the pang in my heart. They see thou art simbing, nor guess they thus

When thou are beginning, how false is that sinde:

Palse one! I meet thee, the proud by thy side: False one! I greet thee in silence and pride Our heart dream is over; our lips may not meet; Farewell to thee, false one ' I go to forget'

ARAB WOMEN.

The fair sex is not altogether fair here, at least in my opinion. No one can deny that the Arab women have graceful tigures and regular feato pick up the pieces. But the I takes a wife, and behang't to me. Its all vey well for a while: beauty—a soul and individual expression. They that afterwards its plagny like owning an upset out two passions—love and late. All incer shades of feeling are wanted. How, indeed, would it be possible for them to acquire intellectual or bodily and 'Wien you like, lovey like what it was in the suppliers. posable for them to acquire intellectual or bodily cultivation, when the greater part of their time is spent seried cross-legged grinding corn in a hand mill, or asleep? The married women are seldom seen out of their houses, and then only closely veiled. The young girls, on the contrary, are to be found every morning at sunrise outside the gate of the town, standing by the fountain, at which they assemble with stone jars on their till that I must bust up—III break, and sign over shoulders, to fetch water for the day's consumption. This truly eastern scene calls to mind Reberca at the well, drawing water for her father's flocks. If a stranger asks a daughter of the town to give him a draught of water (alma), the maiden reaches him a jar with a kindly nod; but, when he has slocked his thirst she pours away the remainder and draws fresh water, for the lips of the intidel have polluted it. The Arab women wear a white woollen garment confined under the breast by a girdle, and a white cloth twisted round the head. Their ornaments consists in in rings in their ears and on their ankles, which are invariably naked. One cannot deny the efficiency of this graceful manner of calling attention to the beauty of their feet, which are truly exquis- libeir samples.

ite. These rings, among women of the lower From some water containing aquatic plants, class, are silver; among those of the higher class

Scraps.

A CONTROVERSY.

One of the most important and best carducted controversies of the day, is one which for long sine occurred between the London Pinch and ther than the sharp-shooting between mr two the ologians. The Post said somathing which Punch did it like, and the next week Punci came out

" Military Regulation.—We understand that an order has been issued at the Horse Ruards, positively prohibiting a certain morning paper in the barracks, for when the Journal allifed (thas been admitted, it has been found quite impossible to prevent the soldiers from sleeping on their Posts." Improvement in Pailman -- fince the issuing

of the order from the horse-gards, all the back numbers of the Morning Post live been purchased by a wealthy Railway Company, on the ground that the Posts make its sounder sleepers."

"Rare Curiosity.—The garty old gentleman, lately discovered reading the whole of one of the Post's leaders, loss bean mented at a high price.

Post's leaders, has been pocured at a high price for the Royal Moseum."

A fire of small grapes lot of this sort soon so

lenced the heavy antagonst.

The same witty antigrity, in amounting the

opening of pathament haistrated the Queen's speech—the part related to "friendly assurances from foreign powers! (Prince Affert) being represented by a cart lold of chibble faced bathes, arawn in a splendid or by a mob if meagre-inoking Johnny Bulls.—[Charles on Secury.

A YANKEE'S ESTIMATE OF MIRRINGE -They said marrying war fun-pretty fin, to be sure. When I was a single man, the world wagged along well enough. It was justike an onmibus. atong wen enough. It was justice an unmous, it was a passenfer, paid my faround hadn't nothing more to dowith it than to st down, and not care a button or anything. S'psing'the ommbus got upset—well, I walks off, and leaves the man courting times, its rig forrow—sour looks and cold polatoes, children and table cloths badly off for soap, always during and mending and nothing over durind or mende. If it was in that I am particularly sober, I'dbo inclined to drink. My those ain't my own-my money ain't my own-I belong to four pople besides myself, the old roman and three chilren—I'm a partnership

A REASON.—A yonig lady, having asked a surgion why woman warmade from the rib of a sign, in preference to any other bone,—he gave the following excellent answer:—" She was not taken from his head lest she should role over him; nor from his first, lest he should trample up-on her; but she was taken from his side, that she might be his equal, from under his arm unght protect her and from near his heart, that he might cherish and love her."

On the occasion of the 30th depot firing a few de joi in commonoration of our arms in China, a gentleman accosted another in the street to inquire the objest of the firing; "Don't you know," he replied, "that our old friend, Sir Hugh Gongle, has compelled the Chinese to give us their Con-gon and Bolea tens. in exchange for our gunpowder? and the 30th depot are just discharging Typographical Engons.—These lattle difficulties, so offensive to some readers, and much more so to the writer, example the entirely avoided in a prewspaper. Read as carefully as you will, among the minimerable blunders that some printers make, a few will escape your eye; and often grows will be committed. We have marked, greater grows will be committed. We have marked some left that the third time, and after going mway, saving to ourselves, "well, you'll surely get it right this mine," have returned to find, that "seven derils," and been at it "worse than the first." Some of and been at it "worse than the first." Some of these blunders are laughable as well as vexitions, Par instance, in our last number, in the article on 2nd best do. for instance, in our last number, in the article on A ransance, in our last number, in the ancient in the another is unde to say, that a "clever budder will not blue more than 6 or 8 cents;" which should be, of \$ course. "6 or 6 per cent." In the leading article and the 35th page, under the title "Orchards," we direct that the ingredents of a composition for covering the wounds caused by pruning, should consist of "one part resm, one part bees-wax, and two parts patch?" whether cloth patch, or turnp patch, the reader is left to guess; meaning, howparch, the reasor is act to guest, dicarding, may ever, "as this deponent is informed and believes" patch, to wit, the "ream of the pune extracted by fire and inspissated," otherwise thickened. Such an attempt to detract, or rather subtract from our Jovaliv, by making us spell the noble at early [2nd host do.]

*British 'instead of the full, hold, sturdy B-r i-ta-s h. | drd | best do. | Carmer's Enayclopedia. |

displays so diabolical a spirit, that our readers will at once see through the design, and place every | 1st best span of matched carriage or draft through this bind to the management of this bind to the management. thing of this kind to the account of the infernal mp that hannts every printing office.

pepper and mry it with the same quantity of salt, (3rd best do.) vols. American Agriculturist, then place the same universe upon a shovel, hold, 1st host the good best do.) it over the fire until it smakes; then inhale some

PROVINCIAL EXHIBITION

Of Stock, Farming Implements, Manufactures, Agricultural and Horticultural products, Fine Arts, Se. Se.

The second Exhibition of the Provincial Agricultural Association is to be held at Hamdton on the Sixth and Seventh days of October next. The list of prizes to be awarded on that occasion has been published in a monthly paper, two or three numbers of which have appeared in this city, called the "Provincial Advertiser." It fills five or six columns of about two hundred lines each, and its insertion, we are told, costs the Society 4d. per line! We shall insert it, and we presume any other paper having a country circulation would have done the same, for the benefit of our readers, just as we insert a column of land best do. news or any thing else. It is well that the 3rd best do. 5vols. American Agriculturist. public who contribute the funds of the Society should know how they are expended. 1st best Boar, diploma and...... We regard it not only as an unaccessary, but, 3rd best do. Transactions of N Y. appropriated as it is, by an officer of the Society, a scandalous waste of money, never given or intended for such a purpose. We give below a list of all the prizes for Live Stock. In our next number we shall publish the remainder of the list, except those parts, (such as the fine arts.) in which our readers are not particularly interested :-

LIST OF PREMIUMS TO BE AWARDED. I that the town of Vera Cruz and the Castle

CLASS A—Horned Cattle.—Durhams	ř	
DESCRIPTION. PRI	:W10	
1st best aged Bull, diploma and	4.7	10
2nd best do.	-1	0
2nd best do	, ,	
Agriculture for 1845-5.		
1st best Bull calved since the 1st Jan. 1845.		
diploma and		0
2nd best do		0
3rd best do. American Farmer's Encyclo-		- 1
pedia.		j
1st best Cow, milk or in calf, diploma and	- 5	
2nd best do.	3	0
3rd best do. Farmer's Library for 1846.		
1st best 3 years' old Heifer in calf diploma		
and	4	0
2nd best do.	2	10
3rd best do. 1st and 2nd vol. on British		
Husbandry.		
1st best Bull Call not exceeding 1 year old,		
diploma and	2	5
2nd best do	1	5
3rd best do. Gardner's Agricul. Dictionary.		
1st best Heifer Calf not exceding 1 year old,		
diploma and	2	
2nd best do.	1	5
3rd best do. Youatt on Cattle.	_	ام
1st best Yearling Heifer, diploma and	2	5
2nd hest do	1	5
series.		- 1
1st best Fat Bullock, diploma and	.,	10
and heat do	7	10
2nd best do. 3rd best do. Gardner's Agricul. Dictionary.	-	10
Const D. Harfords Discher 112		- 1
CLASS B.—Herrfords, Decons, and oth improped Breads.	EF	- 1
		ا
let heet need Hall dinlows and	£7	1111

2nd best do.

Typographical Ennors.-These little difficul 3rd best do Farmer's Library and Journal 0 3rd best do Gardner's Parmer's Dictionary. Crass C-Horses. 1st best Stallion for Agricultural purposes, 2nd best do.

3rd best do. Complete set of Albany Cult'r including 13 vols.

1st best 3 years old Stallion for Agricultural purposes, diploma and..... 0 2nd best do. 3rd best do. Farmer's Library and Journal of Agriculture, for 1845-6. 1st, best 2 years old Stallion for Agricultural Horses, diploma and..... 2nd best do. 3rd best do. Carmer's Library of Agricultore for 1845-6.

1st best Mare and Foal, diploma and.... 1st best thorough-bred Stallion, diploma and 5 and host do 2nd best do. 3rd best do 5 vols. American Agriculturist. 1st best Pen of three Shear Lives, diploma and 2nd best do. 3rd best do 4 vols. Albany Cultivator new scries. South Downs. 1st best aged Ram, diploma and 2nd best do. 3rd best do. Farmers' Library and Jour'l of Agriculture for 1846. 1st best Pen of three aged I'wes, diploma and.... 2nd best do. 3rd best do. Farmers' Encyclopedia. Merinor or Saxons. 1st best aged Ram, diploma and..... 2nd best do. 3rd best do 6 vols. Transactions New York Agricultural Society. 1st best pen of 3 aged Ewes, diploma and 5 2nd best do. 👡

3rd best do. 4 vols Albany Cultivator.

Of any Breed.

1st best 3 fat Wethers, diploma and 2m best do. CLASS E-Pigs.

Agricultural Society.

1st best breeding Sow, diploma and..... 2nd best do. . . . 3rd best do. Farmer's Encyclopedia

News Department.

LATEST FROM THE SEAT OF WAR.

Late accounts from the seat of war state,

al surrendered to the American Army. It is further stated that the Mexican priests had come forward with \$20,000.000 to assist Santa Anna in carrying on the war.

BY TELEGRAPH.

Later from Europe.

The packet-ships, Northumberland and Columbia, arrived this morning, with Liverpool dates to

Corn is rising in France and Belgium.

The English markets were all firm at an advance of 2s. for wheat. In London, there wa great demand for exportation to France and the

Liverpool grain market to the 6th March closed

The relations between Turkey, Greece, and France threaten a speedy war.

There had been dreadful food riots in France, Belgium, and Scotland.

Supplies were pouring into Ireland, and the famine is greatly arrested.

The French government had made a loan

5,000,000 france for the relief of the poor. Several of the leading European powers are on the point of war.

LIVERPOOL MARKETS.—Some wheat was selling at 2s per quarter, and floor 6d. per barrel higher than it was on the 4th instant.

BUFFALO MARKETS .- Market to day continues best aged Bull, diploma and...... £7 10 | with the same firmness, up to the time of the re

ANOTHER ARRIVAL!

Arrival of the Packet-ship Gladiator.

The Gladiator has arrived from London—10th March. Advices from the Liverpool grain market of March 9. Large arrivals of grain, &c., directinto the Irish ports have limited the orders from this market, but the rates from France and Belgatin have improved, and given mereased confidence to holders here; and with a fair amount of business on speculation, and for local continuous difference and with a fair amount of business on speculation, and for local continuous difference and deather a substantial part of the Brutsh France in North America, published by order of the House of Commons, that a despatch from Earl Grey to Lord Ligar, dated 31st Decomber, 1846, offering to make payments out of British funds in aid of particular to the Brutsh Provinces in North America, published by order of the House of Commons, that a despatch from Earl Grey to Lord Ligar, dated 31st Decomber, 1846, offering to make payments out of British funds in aid of particular to the Brutsh Provinces in North America, published by order of the House of Commons, that a despatch from Earl Grey to Lord Ligar, dated 31st Decomber, 1846, offering to make payments out of British funds in aid of particular to the Brutsh Provinces in North America, published by order of the House of Commons, that a despatch from Earl Grey to Lord Ligar, dated 31st Decomber, 1846, offering to make payments out of British funds in aid of particular to the Brutsh Provinces in North America, published by order of the House of Commons, that a despatch from Earl Grey to Lord Ligar, dated 31st Decomber, 1846, offering to the Brutsh Provinces in North America, published by order of the House of Commons, that a despatch from Earl Grey to Lord Ligar, dated 31st Decomber, 1846, offering to the Brutsh Provinces in North America, published by order of the House of Commons, that a despatch from Earl Grey to Lord Ligar, dated 31st Decomber, 1846, offering to the Brutsh Provinces in North America, published by order of the House of Commons, that a despatch from Earl Grey to Lord Ligar The Gladiator has arrived from London-10th

consequences are likely to be serious.

several days.

The bittle began on the glorious birth-day an-niversary of the birth of Washington.

The scene of this bloody fight was Buenavista, the point upon which General Taylor Lid fat-len back from Agua Neuva, about 7 miles from Saltillo.

The Mexicans advanced upon our line with

with their beyonets to the very muzzles of our ar-tillery, and receiving a destructive free from our gans, with unflinching courage.

Our men gave not an inch, but maintained their position on the bloody field the whole day of the 22d, and on the next day until evening, when the Mexicans retreated to Agua Neuva, leaving their killed unburied, and the wounded where they

The killed and wounded Mexicans are estimated at 4000. Mexican officers adout their loss to be 2,000. American loss about 700, killed and wounded.

This victory is at great sacrifice on our part.

The arder of the volunteers officers led them into the hottest part of the fight, and the number of field officers killed is lamentably great.

Gen. Taylor's official despatches are cut off.

Col. Morgan's Ohio Volunteers have been reinforced by a command from Montercy had reached that place in safety.

Col Curis, of Ohio, with one company, Capt. Hunter, of U. S. Dragoons, his own Regiment, and one Indiana Volunteers, the Virginia Regiment and some Texan Rangers, in all about 2000 men, was about to leave Carmargo and attack Gen. Urrea, who is said to be about 30 miles south of that place with 4 or 5000 men.

He is believed to have with him only 1,500 regular troops.

We learn from a passenger who arrived last evening, that it was supposed by many in Tampico, that if the hombardment should take place, the citizens of Vera Cruz will leave the

There was little doubt that there would be se vere fighting at San Juan de Ultoa.

We have a report from the best information, that the attack was to have been made on Vera Craz on or about the 23rd of the present month, (March.)

Santa Anna's Account.

We annex Santa Anna's own account of the actions of Bueno Vista, as translated from the Tampico Sentinel. We have the original Spanish account in our possession:-

Camp, near Bueno Vista, Feb. 23.

Excellent Sir,-After two days battle, in which the enemy, with a force of eight illousand to nine thousand men, and twenty-five pieces of artiflery, lost five of his positions, three pieces of artillery, and two flags: I have determined to get back to Agua Nueva to provide myself with provisions, not having a single biscuit or a grain of rice left. Thanks to the position occupied by the enemy; he left on the field about 2000 dead. Both armies have been cut to pieces; but the trophies of war will give you an idea on which side has been the advantage.

We have struggled with hunger and thirst dur-ing forty bours, and if we can provide ourselves with previsions, we will go again and charge the

York, with large orders from the East, many of which were limited below the views of holders Sales of 1500 barrels Michigan flour were made in the morning at \$5,25c.—[Colonist.] Morning at \$5,25c.—[Colonist.] done their duty, and covered the arms of the ground, mor the instance of the ground, nor the rigour of the laws on this host raining during the region. season, (for it has been raining during the action.) could prevent the terrible charge with the bayonet, which left him terrified.

SANTA ANNA.

of business on speculation, and for local con-withdrawn, and that by a subsequent despatch, samption. The price of flour has advanced 1s the stoppage of the North of England John Stock carried on this service in past years. In adespatch Bank of that town, with its ten branches. The to Sir W. M.G. Colebrooke, of the 29th of January, Earl Grey approves of a suggestion to allow find to be sold to emigrants on ciedit, " to be reAUTHENTICATED NEWS FROM THE paid in work on roads."—[Quebec Gazette.]

ARMY.—BATTLE OF BUENO VISTA—
GEN. TAYLOR VICTORIOUS.—SINTY.
Was employed on the late Boundary Survey, has been appointed to conduct the Railway through AND WOUNDED.—LOSS OF MCKUE, the Province, in these of the Fe Capt. Pipon II ARDIN AND HENRY CLAY, JR.—FUR-THER ACCOUNTS OF THE BATTLE. We have at last some reliable news from the Army. The Albany papers which arrived by Friday's afternoon mail contained the following particulars of the late conflicts in Mexico between Gen Taylor and Santa Anna:

From the N. O. D. Interest of the Survey will proceed as early as possible in the coming spring.—[New Brunswicker, Times, Lives Lose,—A sad architectural on Tuesday last, he are the first paper.

From the N. O. D. Interest of the state of the Survey will proceed as early as possible in the coming spring.—[New Brunswicker, Times, Lives Lose,—A sad architectural on Tuesday last, he are the state of the Survey will proceed as early as possible in the coming spring.—[New Brunswicker, Times, Lives Lose,—A sad architectural on Tuesday last, he are the state of the Survey will proceed as early as possible in the state of the Survey will proceed as early as possible in the Survey

On the 9th March, Doct. Turner, U. S. A., arrived in sifety at Matanioras.

Previous to his arrival the communication best lington, it was upset and thrown off the road, down an embankment about thirty feet. Two of several days. beveral days.

Dr. Turner communicated to one of our corps, way to Quebec, to take charge of the John Munn a printed account of the battle at Buenavista, between Santa Anna's forces, about 17,000 strong, and Gen. Taylor's little army, between 4000 and 5000 volunteers.

The base arm the algebra had been allowed, were severely injured; the former, we understand his sustantial at the passance of the blick. understand, has sustained a fracture of the thigh. A lady from Quebec, a Mrs. Henderson, and an American gentleman, were also injured. A se-cond stage was close at hand, by the passengers of which assistantance was given to the sufferers Montreal Courier.

Major-General the Hon. Charles Gore's nume-The Mexicans advanced upon our line with great boldness, bravely led by their best officers, but were met by our volunteers with the firmness of veterans.

A fierce battle ensued, the Mexicans charging Majesty's Porces in Canada Last, from the 1st with their harmants to the mean appearance to the mean appearance of veterans.

A fierce battle ensued, the Mexicans charging proximo. The gallant General's eldest son Lieut. James Gore, 71st Highlanders, has been appointed Aid-de-Camp to his father—he is at present on leave of absence, and, until his return, we understand that Lieut. Rich. 71st Highlanders, will act for him.—[Montreal Herald.

VIOLENT STORM IN LOWER CANADA.-We learn from the Quebec Canadien, that the storm of Friday and Saturday night was very violent in the neighbourhood of Quebec. Several buildings were blown down at Sie. Anne de Beaupre, at Charlebourg, and other parishes on the North bank of the river. The nee bridge at Isle d'Orleans has been carried down to the Sault de Montmorency, and the ice thrown up in large mases on the quays of the city.-[Montreal Courier.

It is with unfeigned sorrow that we announce the decease of Colonel Sir Charles Chichester, commanding the S1st Regiment in Garrison here —winch melancholy event took place yesterday (Sunday) afternoon, after an illness of only four days —Toronto Herald.

NEWFOUNDLAND .- The mail brig Sandwich, arrived at Halifax on Friday last, bringing St. John's ipapers to the 2d mst. In many parts of the Colony the people are stated to be suffering dreaufully from the want of food, and would starve were it not for the rehef whamstered by the public au-

PETERBORO' AND PORT HOPE RAILROAD. Vigorous exertions are being made, which it is believed, will insure the success of this undertaking.

The immigration of pigeons continues, but they fly so high in this vicinity that pigeon pie is still a rarity.-[Niagara paper.

PRODUCE TRADE OF DUNDAS .- There are now in the sore-houses, adjacent to the Desjardins Canal Basin, about 40,000 barrels of produce! These have been forwarded here for shipment since the close of the Navigation.—Dundas Warder.

Sr. Many's Caral.-A bill incorporating a company to construct a canal for opening the communication between Lakes Superior and Huron, has passed the Legislative of Michigan.

Toronto Market Prices.

April 9.	₹.	d.		\$.	d.
Flour, per barrel, 196 lbs	23	9	4	26	3
Oatmeal, per barrel, 196 lbs	22	6		25	ö
Wheat, per bushel, 60 lbs	5	3	•		ŭ
Rye, per bushel, 56 lbs	3	Ŏ		-	4
Barley, per bushel, 48 lbs	2	4	-	2	ន
Oats, per bushel, 34 lbs	ĩ	Ğ		ĩ	š
Peas, per bushel, 60 lbs	2	8	-		ű
Potatoes, per bushel	4	ŏ	-	ă	6
Onious, per bushel	õ	ŏ	7	-	ö
Beef, per cwt	18	9		25	ő
Beef, per lb	30	ă			-
Pork, per 100 lbs	90	_		0	5
Hay, per ton	40		•		3
Straw nes ton	40	·6		45	0
Straw, per ton.		Õ		30	ŋ
Timothy, per bushel, 60 lbs	5	Ģ	•	6	3
Matton, per ib., by the gr	0	4	4	0	5
veal, her ib, by the qr	0	U	•	0	Ō
Tub Butter, per lb.	0	5	•	Ó	7

AGENTS FOR "THE CANADA FARMER."

The following persons have consented to ect as Agents for the Canada Farmer. We allow to local Agents 20 per cent, for their trouble, which we hope will remunerate them, and induce them to make an effort to extend our circulation.

W. H. Smith, Dr. Smith, James Wetherald, & Travelling Agents.

Local Agents.

Windsor—Mr. James A. H. Gerrie, Bookseller, Oshara—Mr. Gavin Burns, Postmaster, Boumanrille—Mr. James Mcl'eeters, Metchant, Newcastle—Mr. Myton Moses, Innheeper Part Hope—Mr. Alexander Fisher, Metchant, Bloomfeld—Dr. J. W. Howe.
Peterboro—Mr. Robert Nichols, Merchant, Cobourg—Mr. John Field, Merchant, Cobourg—Mr. John Field, Merchant, Colone, Mr. John Cooker, Postmator Cobourg—Mr. John Field, Merchant.
Grafton—Mr. John Taylor, Postmaster.
Colborne—Mr. Albert Vernigton, Postmaster.
Brighton—Mr. J. Lockwood Postmaster.
River Trent—Mr. Alexander Cumming.
Belleville—Mr. A. Menzaes, Postmaster.
Shannonville, Victoria District—Mr. Hiram Holden, Postmaster
Napanec, Midland District—Mr. E. A. Dunham,
Merchant.

Napance, Malland District—Mr. E. A. Dunham, Merchant, Kingston—Messes, Oliphant & Watt, Merchants cananoque—J. Lewis Mardon dd, Usq. Reackedle—Mr. Henry Jones, Postmaster, Merchalle—Mr. U. H. Whatmarsh, Postmaster, Kempfrille—Mr. Wu. H. Bottum, Postmaster, Kempfrille—Mr. Watt. H. Bottum, Postmaster, Smith's Fulls—Mr. Rohmson Harper, Merchant, Perth—Mr. James Allan Postmaster, Bytoren—Captum Baker, Postmaster, Markham—Mr. David Reesor, Vangham—Mr. Thomas Noble, Merchant, Vark—Mr. Danid McMollen, Farmer, Reach—Mr. A. Hurd, Postmaster, Chinguaconsy—Mr. P. Howland, Postmaster, Reonte—Mr. B. Hagamun, Gudph—John Smith, Usq. Gudph-John Smith, Usq. Polerwo-H. M. Switzer. Thorold, and parts adjacent-1, J. Ball, Parm .

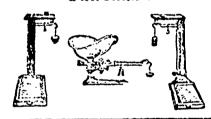
Advertising Department.

Wanted to Purchase

GOOD HORSE, about 114 or 15 hand-A high, and not more than six years old. He must be gentle to drive, as well as good under the must be genile to drive, as well as good under the saddle, and a first rue traveller. A Mare would answer, but a horse will be preferred. Colour not much of an object, though black would be most liked. A good price will be given or de that suits, and cash. Any person having such an animal to sell, will hear of a purchaser by addressing (post-paid). "Editors Canada Farmer, Toronto."

Toronto, 22nd March, 1817.

Fairbank's



Platform and Counter Scales.

THESE SCALES are constructed with great L care by experienced working, under the supervision of the inventors. Effort is made to secure, not only perfect ACCURACY, but also the greatest STRENGTH and DURABILITY. They have been long known and severely tested, and have been found ALWAYS RIGHT.

These Scales are adapted to every kind of business transacted by weight; and from the extensive use, and the high repute they have attained, both in England and the United States, as well as in other countries, may now be regarded as the universal standard.

Scales for weighing Wheat, both portable and to be set in the thoor, formsdeed with weights to weigh even bushels. For Sale by WORKMAN BROTHERS & Co.

Toronto, 22nd March, 1817.

Workman Brothers & Co.,

No. 36, KING STREET,

OFFER FOR SALE:-

20 tons Best Iron.

29 tons Swedes Iron, 15 tons Hoop and Band Iron,

10 tons Sheet Iron.
3 tons Plough Sheras,

2 tons Waggon Boves, 2 tons Cast Steel,

3 tons Blister Steel.

1 ton Spring Steel, A ton Eagle Steel, 2 tons Camp Osens,

2 tons Bellied Pots,

5 Blacksmith's Bellows, 60 Blacksmith' Vices, 15 "Hill's" warranted Anvils,

120 Sugar Kettles,

40 Potash Coolers.

10 hoxes "Pontpool" Plates, 25 Box Stoves, 21 to 36 inches,

45) casks Cut Nails,

50 casks Wrought Nails,

50 casks Wrought Nails,
20 casks Patent Pressed Nails,
35 casks Horse Nails,
40 casks Vrought Spikes,
40 casks Coil Chain.
200 boxes Windows Glass,
2 tons Patty.
20 dozen Common English Spades,
10 dozen Common Lighsh Shovels,
5 dozen Frich Spades,
60 dezen Steel Shovels,
8 dozen Steel Shovels.

8 dozen Steel Shovels, 10 dozen Grain Scoops, 40 Philadelphia Mill Saws, 40 " Parrbanks" " Platf"in a CounterScales. -41.50-

JUST RECEIVED, ex ships Capricorn, Baron of Bramber and Bockshire, in addition to their present Stock of HARDWARE,

18 Packages of Sheffield & Birmingham

Shelf Goods,

With an Assortment of American Hardware. Toronto, 25th March, 1847.



Home District Mutual Fire Company.

OFFICE. Nelson Street, opposite Adelade Street. Toronto.

TNSURES Dwellings, Houses, Warehouses, Buildings in general, Merchandize, Household Furniture, Mills, Manufactories, &C.

DIRECTORS:

W. A. Babbwin, Withim Mathers. John Doel, Dr. Workman, John Pastwood, B. W. Smith. John Mc Marrich,

James Lesshe.

J. B. Warren, A. McMaster, J H PRICE, Esq., President.

J. RAINS, Secretary. All Losses promptly adjusted. Letters by Mad must be post-paid. December 26, 4546.

Notice.

THE BOOK, STATIONERY, PAPER HANGING, and BINDING BUSINESS Intherto conducted by R. BRUWER will, from and after the 1st of April ensuing, be carried on by the undersigned Firm, under the Name of

Brewer, McPhail, & Co.,

At the present well-known Stand, No. 46, KING STREET EAST.

In connection with the above, the Sub-cribers will open, on the 1st of May next, in the same Premises, the

Drug & Medicine Business,

In all its Branches, Wholesale and Retail. This Department will be conducted by one of the Firm, Mr. JOHN BLN LLEY, who possesses, from many years experience in several of the best houses in England and in this Country, a thorough and practical knowledge of the Profession.

RICHARD BREWER, EDWARD MCPHAIL, ROBERT MCPHAIL, JOHN BENTLEY.

Toronto, 9th Murch, 1847.

R. H. Brett,

161 King Street, Toronto.

GENERAL MERCHANT-WHOLESALE

MPORTER of HEAVY HARDWARE, Birming. ham. Shetlield and Wolverhampton Surte Goods, Earthesware, and Glassware, in Crates and Hhds.

Also,-Importer and Dealer in Teas, Sugars, Tohacos, Fruis, Spices, Oils, Paints, Dye Woods, Gunpowder, Shot, Window Glass, Cotton Batting, Wadding, and Candle Wick.

Together with a select Stock of STATION-RY, English, French & German Fancy Goods, Combs, Beads, &c. &c. &c.

Toronto, Nov., 1846.

1-6m.

NOR Cheap Birmingham and Sheffield Goods,

NEW HARDWARE STORE, No.77 Yonge Street, 2 few doors North of King-st.

J. Shepard Ryan,

Having a Partner in England, can purchase Goods at as Low Prices as any other House, and respectfully solicits a share of public pa-

Cash Ponchasers will find it to their advaninge to give us a call, or we calculate on clearing off our Old Stock every winter.

Toronto, 1st January, 1847.

1-12m.

Improved Durham Bulls

FOR SALE.

ONE, two years and four months old : colour dark red and white, but mainly red.

One, one year old; colour nearly the same as above, and promises to make a splended animal.

For pedigrees and further particulars apply to H. Parsons, Aucaster, C. W.

Mr. C. Kahn,

QURGUON DENTIST. King Street, 2 doors West of Bay-street, Toronto.

Boot and Shoc Store,

4. City Buildings, Toronto.

SIGN OF THE GOLDEN BOOT.

INIII: Subscriber embraces the present appor-Custon ers, and the Public, for the liberal patronage he has received from them since his comage he has received from them since his community and travel about his business, whole and sound; mencement in Business, (being about fourteen his name is William Lickey, reading in the years) and begs to inform them, that laying receasily added to his Premises, and greatly enlarged his Stock, he has now on hand a large Assortment of Lades', Gentlemen's, and Clubden's BOUTSA SHOLS, IADIA RUBBERS, &c., of all sozes and quality, which he is disposed to sell on the most moderate terms.

JAMES FOSTER.

January 18, 1847.

J. Ellis, Civit Engineer.

ORIZONTAL, Inchied, and Undulating L. Laes of Radways Surveyed; Macacam-ized and Pluik Roads, Canals, Docks, Hathours; every description of Dramage, Tunnels, and Bridges of Brick and Stone, Iron and Wood. both Pendent and Insistent, with correct Spec fi-both Pendent and Insistent, with correct Spec fi-ctions. Sections or Model Maps and Litmates showing the true cost of construction, founded upon Rules and Principles strictly Mathematical, obtained through sixteen years experience and active practice, both as Engineer and Contractor.

N.B. J. E. will give detailed Estimates, if required, to persons employing him, showing and proving that the Calculations are founded upon To J. Swain & Co. true principles, with Plans. Sections, or Model | Gentlemen,—For sixteen or seventeen years Maps, showing the true Cubic Measurements of I was afflicted with a Stomach Complaint, at Alaba.

Notice.

NOTICE is hereby given, that an Application will be made to the Lord Law. A will be made to the Legislature, at their next Sating. for an Act to Incorporate a Company to construct a Plank Road from the Kingston Road, South of Gate's Tavern, through Scarboro, to Markham Village, and thence to Stoutlyfle.

15th November, 1846.

CROWN LAND DEPARTMENT,

Montreal, 10th March, 1816. NOTICE is hereby given, by Order of his Excellency the Administrator of the Government in Council, to all persons who have received Locations of Land in Western Canada, since the 1st January, 1832, and also to parties located previous to that date, whose locations were not included in the list of unpatented lands, hable to fortenure, published 4th of April, 1839, that unless the claimants, or their legal representatives, establish their claims and take out their Patients within two wears from this date, the lar Patents within tico years from this date, the lar will be resumed by the Government, to be disposed of by Sale.

Swain & Co's Hygeian Medicine,

OR. WORSDELL'S

Vegetable Restorative PILLS,

RECOMMENDED as the best FAMILY MEDICINE now-in use, by thousands in Great Britain, the United State of America, and Canada, for Restoring Impaired Nature to HEALTH and Victoria, and preventing Disease in the Human System, by Parifying the Blood.

Prepared solely by J. SWAIN & CO., 65, Younge Street, Toronto; who respectfully call the attention of their Agents, and the Public in general, to their various other Medicines, particularly their CARMINATIVE for CHILDREN, and their STOMATIC BITTERS, ESSENCES, PERFUMERY, &c. &c. &c.

Authorised Travelling Agents.

Mr. Jacob Hick, Mr. James Wetherald, Mr. W. H. Smith, and Mr. D. Swallow;

By whom (and at their Establishment, as above) Orders will be received, and punctually attended to.

STRIKING CURES.

WHO WISHES TO THROW AWAY HIS CRUTCHES!

Read the following Extract of a Letter received from our Agent at Richmond, Dalhouse Dis't:-

Richmond, 5th August, 1846.

Mesus, John Swain & Co.,—As Agent here, I beg leave to inform you, that In all cases where your myalitable Pills have been used in this vicinity, they have been productive of the most happy results: the relief alloided to individual suffering in various ways has been almost incredible; therefore I cannot pretend to give a detailed account of their various virines; but at the same time I cannot forbear mentioning one particular case of a man, who, to same four or five months, was contined to his house, and most commonly was confined to his house, and most commonly to bed, and not able to reach the door of his dwelling, excepting by the use of Crutches, from the effects of inveterate running seres in both lega; yet, surprising to say, the Pills have entirely effected a cure, and the man is now able to work,

Gestlemes.—I have now great pleasure in handing you the annexed certificate, fro 3 my wite, which will speak for uself. Your General Agent Mr. Wetherald, desired me to give him a certificate as soon as she was cared, but I refused to do so until she had remained well six months. That period has now clapsed, and I am happy to inform you that she has had no return of her complaint, but is in perfect health.

ABRAHAM WILSON.

CURE OF OLD-STANDING STOMACH COMPLAINT.

By Swain & Co.'s Hygeian Medicine, or Worsdell's Vegetable Pills.

I remain, Gentlemen, yours respectfully,

MARGARET WILSON. REMARKABLE TESTIMONY.

Testimony of C. J. Forsyth, Esq., Wellington Square.

To J. Swain & Co. Wellington Square, January, 1847. Gentlemes,—I have been in the practice of using your Pills myself, and recommending them to others, and I have found them to be innequaled in their effects upon the human system; and I believe your Medicine is a safe and efficient remedy against those afflicting disorders to which

mankind is subject.

1 am yours very respectfully.

C J. FORSYTII.

MARK THIS.

MRS OLIVER, Wife of F. A. Oliver, Esq., Tyandenago, parted with a Tape Worm from 25 to 30 feet long from the use of Swam & Co.'s Vegetable Restorative Pils.

J. WETHERALD.

CURE OF INFLUENZA.

Mr. B. Wiscop's Child was sick for three months, from Influenza, and was reduced to a skeleton, and all lopes of his recovery were given up. He was advised to take the Vegetable Restorative Pills, which soon effected a cure, and he is now enjoying good health.

THE

Canada Farmer,

SEMI-MONTHLY JOURNAL OF AG-RIC MENT, LITERATURE, AND GENERAL INTELLIGENCE, is published every other. FRIDAY Morning, at the Book and Stationery Store of R. BREWER. 46 King-street, Toronto

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A List of authorized Agents will be published as soon as appointed, of whom the Paper can be obtained, in different parts of the country.