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

Vol. I.

TORONTO, SATURDAY, NOVEMBER 6, 1847.

MANURES.

MINERAL SALES OR MANURES. (Continued from page 149)

Having thus considered the salts derived from the animal, let us now proceed to those derived from the mineral kingdom. Among these we shall find some whose action is similar to that of the animal salts. That is, they are true nourishers of plants.

They afford, by the action of the growbeen much used in farming, South Amer-can saltpetre. This differs from com-mon saltpetre, by changing its potash for soda. One step more, I want you to un-derstand by saltpetre, not one salt, but, in farming, a class of salts, then is a solid of the given bounds. derstand by saltpetre, not one salt, but, saltpetre, that is, the aqua-fortis, is forming farming, a class of salts; that is, a ed of the air we breathe. Now alkalies number having the same and, which may be combined with several different bases, which all act one way. Saltpetre, heing a salt, of course, must be composed of an acid and a base. The acid is always adjusted to the alkali, and forms appearance in the base may this union, is ammonia. Hence, where tablesalt boundaries and of line and to make an always adjusted to the alkali to compel the constitution.

Now if we throw out the carbonic acid, which has been formed in burning, we have left in ashes, three acids, which are united with the bases, and may adjusted to compel the constitution.

Now if we throw out the carbonic control acid, which has been formed in burning, we have left in ashes, three acids, which has been formed in burning, the united with the bases, and may adjust the composed of an acid and a base. The acid is always saltpetre. The best alkali to compel the constitution of the base may the united with the bases, and may adjust to the last may be notash, or such constitution.

In the base acid, which has been formed in burning, we have left in ashes, three acids, which are united with the bases, and may adjust the composed of an acid and a base. The acid is always saltpetre. The best alkali to compel to the constitution of the base acid, which has been formed in burning, we have left in ashes, three acids, which has been formed in burning. Now, I do not mean to trouble your head further with the chemistry of saltpetre, than merely to say, that having thus shown you the composition and origin of the acid of all kinds of satpetre, you will readily see, that a substance which pile is two or three feet high, topping us see then in leaching, what parts we affords such an abundance of introgen, off with loam. wet it occasionally with take away. First, we take away all the cannot but be beneficial to plants. This nitrogen may, and probably does, form as garden mould. Shovel over once a we take away nearly all the potash and some portion of ammonta in the soil. It fortnight for two years. The pile now soda. What is left? The phosphoric may enter as nitrogen into the plants, dissolved in water, as a very weak aqua-

We have said so much upon the action pores, and consequently heats a little; so that saltpetre, whether added as such to ways helps to warm a little the soil, likely to be off any service to the farmer, like fermenting manure. So far as are those only which, by the action of the earthy their acid or base, act on the earthy parts of soil, or upon the mould. Salts lemically combined with the other mat either poison, or nourish plants. The tre, is procuring a small effect at a great price. The action of the alkali of saltper in small doses; the second, can hardly by chemistry, and confirmed by experi-

to lay out for salts, let me advise you reader, to spend it rather for ashes than for saltpetre.

OF ARTIFICIAL NUTRE BEDS.

But there is a fashion in manures as well as in other things, and saltpetre is now so fashionable that you may be inclined to use it. Be it so. I will show you, reader, how to make it for yourself, ing plant, the same elements as the ani- and at the same time form a large pile mal salts. Of this nature is saltpetre, of capital mould. But as you have begun Now, reader, I want you to understand to inquire a little into the reason of things, by saltpetre, not only that well-known let us go a little into the reasons why the substance, but also that which has lately earth under all bains where cattle are

upon it four inches thick, of these mixed in ashes, we have one, part which may materials: then a layer of dung, three be leached out, and a part which remains or four inches thick, and so on, till the after leaching, called spent ashes. Let

stances. They come from the soil They form a part of plants, The dead plant returns them again to their parts of a plant, its mould and ammonia, by burning, collect its salts as ashes. Let us see what these salts are made of. are composed of an acid and a base.

The horse are
Polash & Soda, Carbonic, or carbon united to oxygen.
Lune, Phosphoric, or Phosphories, do
Margaesia, Salphuric or Sulpher, do, do, clay, Muriatic, essentially composed of chlorine

harmless, yea, what a healthful blessing on turning over, but it is not wet with reasonable. It is not expected that a is air, not only to us, but to plants! It is unne for the last few mentls. The plain farmer, possessing little or no a mere mixture, not a chemical complete farmer has always, he wants chemical knowledge, should be able to pound, a mere mixture. In every hunder the porous chalky body. This may be tell beforehand, what the effect of a salt furnished by spent ashes, mixed up with would be, applied to his land; but if he its bulk of lower Hence the following condend to the requirement. oxygen. Yet d you compel, as natural its bulk of loam. Hence the following understands what the composition of operations are continually compelling the air to unite chemically, so that four-teen parts of nitrogen shall unite to forty parts of oxygen you will form aqua-fortis. having hard rammed the barn-celld little ashes, or alkali, which will kill or floor, or that under a shed, lay a bea neutralize any excess of poisonous acid.

urine, keeping it always about as moist acids except the phosphoric, Secondly, contains about fifty pounds of several acid, and all the bases. It is evident, varieties of saltpetre, and mixed through- therefore, that the strength of ashes can out with nearly three cords of excellent never be wholly leached out if that demanure. It may therefore, be now used, pends upon the salts. In spent ashes, of ammonia and nitrogen, that you will perceive how important a part nitro is likely to play in manure. Not only does the nitrogen act here, but the oxygen, the many fifty pounds as he employs cords is, the potash. This is chemically united other component of the acid, also acts. of cow dung. But, however prepared, to certain of the other constituents of It acts upon the mould as air itself would, natre affords, by its elements, nourishment ashes. You cannot leach it out, leach Besides, the mould of soil and manure in blants. All its parts act. Its alkali you never so long. Upset your leaching in its acts, and its acid acts. Ashes.

It is easy to see, that salts, whatever plenty of fixed air is given off. Here is soil, or formed in manute, as it is al- be their name or nature, which are the secret of the value of spent ashes, so

tre is not different from alkali in other injure, even by their excess. If we re-lence. Leached ashes must never be shapes, and therefore if you have money cur to the principle, with which we set used on wet soil, if we want its alkali to out early in this essay, that the ashes of act. The close wet soil, perhaps even plants contain all their saits, then, rightly, half covered at times with water, excludes to know what salts are likely to produce the air. The carbonic acid of air, that good effects as manure, we should first which alone extracts the alkali from study the composition of ashes. We spent ashes, cannot here act. There is have, in ashes, a great variety of sub-this other lessson to be learned from these facts, that it is chiefly the alkaline action, which is wanted from spent ashes. Hence no one who thus mother earth, or we, losing the volatile understands the source, and the true value of ashes, will allow the alkaline portion to be first leached out, unless he can find a more economical use for it, than its ap-In the first place, you know, all salts plication as a fertilizer. Perhaps no fact speaks louder, that the great action of spent ashes is that of its potash, than this, that where we prevent that from being extracted, the spent ashes are of little value. If, then spent ashes derive their great value from the potash, much more will unleached ashes derive their value from their potash.

Now, reader, the point to which I have led you, in these remarks, is this, that the more alkaline any salt is, the better is it for manure, Hence, as a general rule, about the time of ash, pearl ash, common aqua-fortis, or nutric acid. The hase may be potash, or soda, or hine, or ammonia. These all may be caused surpette. In forming sattpette, it is generally to at variety which con and aqua-fortis which is procored. So far as we underderstand the action of saits, and this has been fully explained, the action of the action of the action of this salt might be referred to the general laws above set forth. But the action of this salt might be referred to the general laws above set forth. But the action of this salt might be common as we hereafte. Surprising the potash, or nation, or ammonia. Hence, where dilaber's sait, Epsom salt, common there, or ammonia, there is fermenting, or there is fermenting, or there is fermenting, or there is fermenting, or the property of animal matter is fermenting, or the property of the property of the property of the action of this salt might been fully explained, the action of this salt might be formed. Now this is enough for your own use. It has been fully explained, the action of the same is and the principle upon an artificiation, or explained the principle upon which is propose to you to form an artificiation, or explained the principle upon after a long list of other salts. Next in principal, and those most likely to be been fully explained, the action of the same is the manure of twenty in or or property of the same is the common and the principle upon and the principle upon the principle upon the principle upon and the principle upon the pri thing more or less than a compound of peter in four years.

The heap is formed under cover, and as it may seem, reader, yet it is not the occasionally shovelled over. At the end less true, the common are is a mixture of of two years, it is a mass of rich mould. If you cast your eye over the acids and oxygen and nitrogen. What a bland and the fit two years longer, with an occasionally shovelled over. At the end oxygen and nitrogen. What a bland and the fit two years longer, with an occasionally shovelled over. At the end oxygen and nitrogen. What a bland and the fit is not overested that a specific or less success, as manures. And alkali, which is still greater, and their plaster, and the spent ashes and then peat ashes will and do afford alkali. So too coal ashes, even your hard anthracite ashes, yield all the substances which spent ashes do. It is easily seen, therefore, when, how, and where, spent ashes, peat ashes, coal ashes are most likely to do good. Perhaps we may not have a better place to state the fact, that a cord of soap-boiler's spent ashes contain about fifty pounds of potash. When we add to this one hundred and seventeen pounds of bone-dust, and about a ton and a half of chalk, or carbonate of lime, which acts chiefly on the soil, and so comes not now under consideration, it is seen, that there is no cheaper source of alkali and salts, to one within reasonable carting distance of a soap-boiler than spent ashes. They are marl, bone-dust, plaster, and alkali combined.

VARIETIES OF SOIL.

exhaust from the soil, in which they grow, the same ingredients or component parts of it; and that no two plants of a different kind abstract the same proportion of each ingredient.

Hence, beyond all question, it is established: 1st, That every kind of soil is, in its natural state, fitted for the production

Careful examination has also shown that silicious or flinty matter not only con- ? stitutes a large portion of all soils, but al. J. B., St George, Woodstock, and Ingersoll. All so the largest ingredient in the composition of oats, wheat, Indian corn, rye, and batley. It also demonstrates that certain other substances, of which lime is always ' one, are contained in these and other plants, a very large portion of it entering into the composition of clover and corn.

From these facts, it follows that the aldition of lime to soils from which it is na turally absent, must confer upon them the power to produce those useful plants, especially corn and clover, so far as unproductiveness of them was caused by its

The same may be said of potash, soda, magnesia, and certain acids, all of which are ingredients in most of the useful

In this view of our soils, the presence of limestone in large quantities in any IVISIT TO GRAND ISLAND-MR. ALcountry, is second in value to that of no other mineral, not even excepting coal or

For as the productions of the farmer are indispensible to persons in every business, and as the proper application of will convert them into fruitful agricultu- the high gratification of spending one of them them from "running out." ral districts, the value of limestone must with Mr. L. F. Allen in the examination of be beyond that of any mineral we his Farm and Stock on Grand Island, a most

the addition of lime, or any other single timbered and of a rich loany soil. The upsubstance of which a soil happens to be deficient. The mixing of entire soils with each other often has the same result. For instance, the carting of a certain proportion of the surface of rich boggy or bottom land upon upland, or the reverse; the addition of pure sand to stiff clay fields, or the application of any other soil to one of an entirely dissimilar character, has generally the same benefi-

In all these cases, the applied soil being dissimilar from that to which it is added, the chances are, even without the certainty of a scientific analysis, the productive substances have been obtained, and consequently that productiveness will be increased.

In this way there is great truth in the remark, that, in the hands of a judicious farmer, almost every farm contains, within its limits, means tor its own fertilization.—[Exchange Paper.

PACKING APPLES FOR SEA VOYAGES.-The following method is described by a writer in the Farmer and Mechanic, which he adopted for packing fine and the very spot for a little Paradise. selected apples for exportation to England. When they arrived at Sheffield, every one was sound. The very finest only were selected, and the moisture, if any, carefully wiped off; each apple was then rolled in clean, dry, wrapping paper. The barrel was then thinly lined with straw, and the apples placed in as closely as possible, without jamming them, and then headed up. An inside iming hoop country than either the Short Horns or Deprevented all danger of the heads being vons. After looking at some very fine calves. knocked in by accident.

ployment the most worthy the application | we, in company with the latter gentleman, of man, the most ancient and the most seated ourselves in Mr. Allen's boat. - and suitable to his nature; it is the common " set sail" for the Island. The first thing nurse of all persons, in every age and that attracted our attention was a small herd Durhams, Devons and their grades. And condition of life : it is a source of health, of Berkshire hogs. They were all young, strength, plenty and riches; and of a and not remarkably large for their age. Their proper treatment of young cattle. Mr. Al- animals, though none of them were in what thousand sober delights and honest plea-sures. It is the mistress and school of sobriety, temperance, justice, religion, and, in short, all virtue, civil and military.

A PROFITABLE DARRY .-- Mr. W. S Euner, sold to Mr. Liversey, of Preston a few days ago, 38 cheeses, the produce of 13 cow4 in 38 days. The weight was 13\frac{3}{2} cwt. and the price 62s, per cwt. giving a total of £12 12s. 6d.—[Lancaster Guardian.

Good fences make good neighbours.

TO CORRESPONDENTS.

J. M., Bradford, received.

Your expansive arrangements are received. judicious and cannot fail to produce extensive results. Cover the schole surface as quickly as concenience and discretion will permit

T. II N. It would not answer. Were we to make our journal monthly as you suggest, it would tose all the advantages of a newspaper, which form a new and decidedly attractive—from its rulm-feuture In these days of Railroads and Magnitic Telegraphs, mouthly journals, ex-cept of a decidedly literary character, are alto-gether behand the age. He assure our friend that we cannot go law, to the old "dog trof" system It is of too much importance that the Farmers be farmshed with regular intelligence of the state of the markets, as often as the English news arrives

CANADA FARMER.

November 6, 1847.

LEN'S DEVONS & SHORT HORNS -BERKSHIRE'S, BREMEN GEESE, &c., &c., MR. SOTHAM'S HERE-FORDS &c.

Business having detained us at Buffalo for delightful spot in the Niagara River. This Nor does this good effect alone follow Island is about 12 miles in length, is heavily per end of the Island where Mr. A's farm is situated is within sight of the spires and chimneys of Buffalo and commands a most lovely landscape. On either side flows the noble river, tame and peaceful, giving here, no indication of the rage and fury with which it allows itself to be overcome only a few miles below. To the right are the well cleared fields and comfortable farm residences of Her Majesty's subjects in the township of Bertie. On the left is the American shore studded with neat white houses, while along the margin of the stream the Canal boats drawn by two and three horses ad tandem are constantly passing. In the foreground is Black Rock, two miles distant but distinctly in view. Two or three little Islands diversify the landscape in that direction and afford cov ert for the sportsman in pursuit of the Wild Ducks that abound in the neighbourhood .-Mr. A. talks of building a residence on an elevated piece of ground at the head of the Island, and with such delightful scenery all around, removed from the smoke and din and noisome influences of the city, and yet within reach of all its real advantages, it seems to us

We were so fortunate as to make acquaintance with Mr. W. H. Sotham, another distinguished breeder, who has lately removed from the nighbourhood of Albany and rented a large dairy farm on the banks of the Niagarn. a short distance from Black Rock. Mr. Sotham's favorite breed is the Hereford, which, he contends, is better adapted to this vons. After looking at some very fine calves, a splended four year old heifer, which had just given birth to her first calf, and an old AGRICULTURE, says Socrates, is an em. cow, imported by Mr. S. from England, of the best

ment; a constant application of skill and Y ou can't get good unimals from worthless care to maintain, and perpetuate their su- parents." There it is again. Short Horn, and perior qualities. The man who lays out Hereford men wont adont that there is any large sums of money to stock his farm with excellence in the poor "intive." No "good Durham, Devon, or Hereford cattle, Berk-can come out of Nuzareth." Now, assenting shire pigs, and South Down, Leicester, or generally to the proposition that the young an-Costwold sheep, and then pursues the same [mail should be allowed to develope itself withold system of neglect; leaving every thing out the aid of extra doses of inch food, and that to take care of itself; or, when he does the forcing system must ultimately have a interfere, obstructing mature's efforts instead permenus effect upon a for milking, & breedof helping or taking advantage of them a mg purposes at all events, yet we think that allowing the butcher to call his flocks of the parreng the improved and native breeds, best-the conservative individuals, whose the difference in the result is not wholly owsuperior character would keep up the gene-jung to the difference of breed. The truth is ral standard, had much better invest his cap- the same system is not followed in both cases. ital in some other way. Not but that the Though native calves are seldom injured by improved breeds will, even in bad hands over feeding, they are frequently stinted, and under the operation of degenerating and we believe it is better to err on the side causes, still maintain a superiority over the of too much, than too little. The breeder of common kinds in like circumstances, but the "pure bloods" is careful to select the the difference will not be sufficient to justi- best animals for stock getting. He never uses fy their original expense. The tendency of an inferior bull and has to wait some time everything of this kind is downward. It and reject a half dozen or more, before would seem to be a part of the "primeval he finds one that will answer his purpose and curse" that those products of the animal and with which he can hope to keep up the charvegetable kingdom essential to man's exis-incter of his stock. The individuals that tence, should demand his constant care, and dont come up to his standard he turns into lime to the soils which are destitute of it a few days, since our last issue, we enjoyed the exercise of his highest skill to prevent beef and sends to the slaughter house. Every

> The plan of Mr. A's barn pleased us very much, though its position near the edge of crossing, and careful pruning and good feedthe river does not facilitate the increase or add much to the value of the manure heap. He intends removing it to a situation where his yard will not be so well dramed as at present. The main building is about 100 feet long with a narrow floor extending through it lengthwise. On each side is a mow, also running the whole length of the barn, except a space of 4 or 5 feet at each end for a passage. A lean-to is attached to each side of the main building wide enough to admit of a passage next the barn and along by the head of the Cattle, and another passage behind them. These lean-to's are done off into stalls about 7 feet wide, boarded up as high as a cow's back with a manger in front and a tight box or trough in each corner. Two cows stand in a stall, and being tied to rings at the opposite corners, cannot injure or cat the food of one another. The sides of the barn under the lean-to's are not boarded, so that feed from any part of the mow may be readily thrown into the passage before the cattle. A room is partitioned off in the end of one of the mows for storing corn, grain, pumpkms, &c., that may be required for, perhaps, a week's supply. By this plan you can go before or behind your cattle as occasion may require. If any more hay is thrown down than is necessary it may be left in the passage and is neither trampled nor breathed upon. Small quantities can be given at a time, (the best mode of feeding) and the mangers replenished without causing the great additional labour that must be encountered under the usual arrangements.

As a stock-barn we do not think this plan could be much improved. There is nothing expensive, complicated, or fanciful in its construction; its excellence consists in the simplicity and handyness of its arrangements. After looking at some beautiful Bremen Geese, half as large again as the common kind, we proceeded to the field to see the cattle. The first we came to was a fine lot of calves, here arose an interesting discussion as to the len contended that calves should not be might be called high condition. They in England, and imported by Mr. Allen's "forced." that they should be fed moderatebrother. Mr. A. is trying a cross with the ily, neither made fat nor allowed to get poor, Suffolk breed, which bids fair to do well, but kept in a good, healthy, growing condi-The Berkshire is a beautiful animal, small tion. He did not allow his to suck one cow hone, light offal, a ready disposition to fat- long, much less two. Mr. Sotham agreed ten, and makes sweet, tender pork; but it to this doctrine, and in the presence of two seems that they have not generally done well, | such experienced and noted breeders we were nor, in many cases, answered the pecta- very chary of expressing an opinion, we only ed by the citizens. Mr. A's Devons pleased tions of those who have tried them. Mr. | ventured to ask questions. | Doccurred to us A. says they have not degenerated in his that the system which our friends were so limids, but it has not been so with others. warmly advocating was just the system that have suffered from the numerous "drafts," The truth is, the best breeds of domestic is practised by ordinary farmers, and we that have been made for the service of the animals, as well as the best varieties of grain wished to know why it was not attended with State. and vegetables, require the best manage. better results? "Ab, that's in the breed.

now and then he procures a bull from another herd and of a different family. By judicious ing, he is able to breed good stock. With high excellence to begin with in the ancestor, he succeeds in retaining it in the descendant. Now, who will say that this system would not improve our natives-would not in time make them equal to any imported stock? Take the best that can be found to begin with, and on the principle that "like begets like," a rule that works both ways, how long would it be before we should have an improved breed of natives like Col. Jacques' " Cream pots" capable of transmitting their good qualities with as much certainty as any other? But it may be asked what need then of importing Durhams, &c., at great expense, and paying high prices for their stock? For the simple reason that in them we have ready to our hand what has cost long years of labor and skill to produce, and what can not be accomplished by any shorter method now. Their good qualities, as far as they can be. are established. We have a vantage ground to start from, and thus time and expense, and an exercise of skill that very few of us have, are dispensed with. But the fact that some skill is required to prevent the good qualities of the pure bloods from running out, is of itself proof that they are not a superior race in their original-that they are not an "old aristocracy" whose inherent nobility reaches back to the days of William the Conqueror. The practical conclusion that we are driving at is just this: Let us have good stock, the best we can get, because they are the most profitable. The "improved breeds" are the best, the several kinds according to the purposes for which they are wanted. Therefore, let us procure one of the improved breeds. But without spoiling our syllogism, we must add this conclusion; where we are not able to stock our furm with Durhams, Devons or Ayrshires, let us not neglect the natives; especially let us not do so under the notion that they are incapable of improvement, that between them and the former there is an "impassable gulph." Time and care will enable us to cross it.

In Mr. Allen's herd we saw many fine through a large range of p sture, (most of the land being newly-cleared,, during the day, and atthis season are shut ug. "tnight, and fed upon pumpkins and a little hay. Phey all give milk, which is sent twice a day to beffalo and sold to the dealers who keep what they call " milk depots." where it is purchasus more than his Short Horns, the latter of which, with a few exceptions, seem to us to

The same of Mr. A's herd has attracted

purchasers from all parts, who evidently have often as the public would care to direct even Inid their hands on many of the best. He has however this year been using a fumous imported bull, we forget the name, whose produce will probably restore the excellence of his herd. We spent 3 or 4 hours in looking at the cattle and a slking over Mr. A's fields of clover, corn, beets, carrots, &c., (he grows but little grain) enjoying the pleasure and profit of an interchange of thought with intelligent minds and the refreshing, vivifying influences of delightful scenery. On our return we took a substantial English dinner with Mr. Sotham, who by the way is an Englishman, promising to spend the next day with him in viewing his splendid herd of Herefords. The weather we are sorry to derived from their dissemination, be secured of the invitation on another occasion.

import it, and has almost single-handed de- Provincial Association to be distributed in fended his favourities against the attack of about 50 Short Horn men, who publicly, we think it the bounder duty of the Provin-and privately kept up an incessant fire upon cial Association to adopt this course. We him for three years. He has shown the spirit might assert, without the fear of successful of a genuine John Bull, and the result has been that this breed are more and more purchased an animal of him who became dis- flow from the prevalent practice of driving entisfied or did not apply for more. He never one animal all round the country to carry off sells a calf for less than \$100 and has more orders than he can possibly fill. We shall ex- places. amine the character and claims of this breed in connection with Mr. Sotham's herd, in a

FARMER'S CLUBS, AND ESSAYS ON AGRICULTURAL SUBJECTS.

With all our Agricultural Societies, Provincial, District, and Township, we have nothing in the shape of Farmers' Clubs, as they exist in New York and some other cities of the United States, as well as in some places on the continent of Europe. The New York Farmers' Club, for instance, holds weekly meetings in that city, at which essays are read, new improvements noticed, & their usefulness discussed by scientific men. Some extremely valuable papers on various subjects connected with Agricultural improvement are read before the club, and the substance of their contents is afterwards disseminated through the medium of the Press, over the length and breadth of the land. We think this practice might be advantageously copied here, with such modifications as our different circumstances may render necessary. We will venture to suggest the outlines of a plan which it may perhaps be beneficial to adopt as a whole or in part. We do not claim originality for our plan, which is simply a copy. To appropriate it without acknowledgement would be one of those bare-faced pieces of plagiarism with which, ever and anon, honest men are sickened and disgusted. We may remark en passant that to appropriate to ones own use, and claim orginality for, any practice which had previously been established in another country, is a species of menn and most reprehensible larceny .-Yet this is frequently done, and we shall lend our aid to bring about an honester practice and a purer tone of literary morality, by holding up the plagiarist to that public disapprobation which is his just punishment. But to our plan. Toronto occupies a central position, and is therefore a proper place in which to establish a Farmer's Club. If any of the the newly settled townships, as well as those machinery of the Provincial Association can which have been settled for a great number be rendered available in forwarding the object, of years. The soil of Blenheim appears to it would be well. Perhaps it might furnish as much material as would form the nucleus of the projected Club. Having determined upon the plan of organization, which, of course, would be quite simple and in accordance with the form and practice most approved in such cases, let it be determined at what intervals the Club should hold its meetmgs. Once a month would probably be sufficiently often to preserve as much interest as would have to be excited before life could be infused into the thing; and it is they are new, have a pleasant appearance,

a momentary attention to the matter.

A competent Secretary should be appointed, one of whose duties it should be to read the Essays that might be presented to the Club. The adoption of this plan would be absolutely necessary, as Essays would, supposing a proper public interest to be taken in the matter frequently be received from persons living many miles-in some cases hundreds-from the city whose attendance to read their own Essays would be impracticable. The Essays, or the substance of them, might afterwards be published by the agricultural Press, and thus the advantages-for none but those possessing real merit should be published-to be say prevented us, but we shall avail ourselves to the public. On subjects of great importance, with a view of bringing out the best Mr. Sotham's stock is the best of the breed available talent, it might not be out of place prizes to the successful competuors. Indeed we think it the bounden duty of the Provindenial, were we disposed to make awkward comparisons, that the carrying out of this sought after, and no one, he says, has ever plan would produce better results, than can the "first best" prizes at five or six different

> We submit these suggestions for public consideration, feeling contident of the good effects of which their practical adoption would be productive.

THE HESSIAN FLY .- We see numerous complaints in the American journals, of the operations of this insect. The weather this fall has been peculiarly favorable for the Fly, and we should not be at all surprised if it extended itself over the whole Province, destroying next year an incalculable amount of Wheat. Our readers would do well to examine their fields and necertain to what extent eggs are deposited on the young plants. We should be glad to hear the results of such examinations. The following is one of the statements we find in a Western paper.

THE FLY IN WHEAT.—We hear very general complaints from farmers residing in the adjoining counties in Indiana of the re-appearing of the fly in their whent fields. Many have already plough-ed up and re-sown their fields in consequence. They have proved very destructive in Laporte and St. Joseph counties particularly.—[Chicago Journal.

Blenheim and Wilmot-Mr. Master's barn-Hogsville and Hamburgh-Easthope-Potatoe discuse-Winter-killed Wheat, Jr., Jr.

Stratford, Huron District, Oct. 23, 1847

DEAR SIRS .- I deem it unnecessary to make an apology for the liberty I take of once more trying to give you some idea of the different sections of the country, through which I have, since my last, had the pleasure of travelling. Leaving the village of Ayr, in the north western part of the township of Dumfries, I proceeded to the north for a distance of two miles, or a little more, then turning to the west, into the township of Blenheim, I came into quite a large settlement of English Scotch, Dutch, Canadians, &c. You know Canada is settled by people from all parts of the world, and I believe they try the experiment of getting as closely together as possible back here, in the northcastern part of Blenheim. This is rather newly settled part of the country, although you will here find some well cultivated farms, rood barns and houses, and also some very good orchards, and many other things which assure the traveller that the spirit of emulabe most excellent, and well adapted to growing every description of gram, roots, and also a great variety of fruits. The people in this section of the country, also, have not been en-tirely unmindful of Him who sends the early and the latter rain, and who gives fruitful seasons, and abundant harvests; but have here erected a house wherein they can meet and praise Him for all his benefits. Proceeding to the nord from this place I came to the line between Blenheim and Wilmol, then turning to the west, took the road leading to the Huron District. The different sections which I visited in Willmot, although

tant, be one of the best sections of our beautiful and beloved country. Here are some furmers whose attention to improving their farms, stock, &c., is worthy of much praise, And now let me remark, that one of the best barns in Canada West is to found in the southern part of Wilmot. It is the property of a Mr. Masters, D. C., who very kindly took me through the different apartments, I do not intend to impose on your patience by telling how many cranks, studs, braces, rafters, &c., there are in it. for if you should ever want one, I rather think that some, perhaps all, of your gentlemen carpenters would be able to tell, even without any advice from those who, at most, know very little about it. I will just say that the barn is a bank barn, and is three stories high. On the ground floor are his stables for both horses and horned cattle, with an entry or half between the horse stable, and the stables for his horned ing his root crops, &c. In the second story are his granaries and other apartments for in the United States. He was the first to to set apart a fraction of the funds of the threshing floor occupying the centre, and on and lambs, 88,178; and of swine, 14,750. each sale his move for grain, buy, ect. In Perones are being made in New South Wales, this upper those are several holes, with I to establish mulberry grounds and breed silkbelieve, pipes or spints, to conduct the clean-ed wheat, oats, barley, and all other kinds of you have but to place the front part of your fanning mill to any one of these holes, and your grain, (like the prices which our merchants pay for it.) will full; and be conducted to whatever bin you choose. Let us now leave this place and pursue our road to Hogsville, a small village, very pleasantly situated in the sourthern part of Wilmot, containing three or four stores, several shops of different tradesmen, and many other buildings, as the criers generally say, "too numerous to mention." Proceeding to the north-west from this village, three or four miles will bring you to Hamburgh, another small village. Here let meremark that on " Smith's Travelling Map Hogsville is represented as situated where and Humburgh as situated Hamburgh is. where Hogsville is, or rather the names are improperly placed.

Leaving these places you proceed to the West, and 6 or eight miles will bring you to the line between Wilmot in the south western part of Wellington District, and Easthope in the south eastern part of the Huron District, I cannot say much in favour of the township of Easthope, if the land on each side of the road leading to the village of Stratford, tuny be considered as a specimen. However, I was told that this was the poorest part of the township, Stratford in the Western part of this township is a village of some considerable importance containing some very good buildings, and exhibits much enterprise and good tuste. I will finish my letter by saying that many, very many complain of the Potatoe disease, and many, of the wheat being winter-killed, although the berry is very good. Wishing you, Gentlemen, success in dissemuniting useful know-ledge and in publishing a paper destined to be the most extensively circulated, as it is the most valuable and useful, at present published in Canada, I, with pleasure, subscribe myself.

Your Obed't Serv't THE FARMER'S SON.

GENTLEMEN .- I send you the following recipes, which I have seen tried with success. Others may find them useful. W.

CURE FOR SPAVIN .- Take a quart bottle, into this put a quantity of strong beer, then put in 2 oz. of alcohol, 2 oz. of spirits of turpentine, and 2 oz. of aquafortis, then fill up the bottle with beer. Application .- Rub on with the hand about half a table-spoonful, continue to rub until a smoke arises from the part anointed. If the horse be used and there be danger of his getting wet, the part anointed should be rubbed with fish worm oil about 2 or three hours after the application of the liquid, otherwise the hair will be likely to

If to the above composition you add one z. of Camplure gum, you will have a certain cure for that painful complaint-Rheumatism—the part or parts affected to be thoroughly bathed with the preparation-this has been known to cure, in a short time, persons unable to rise from their bed.

SIMPLE AND CERTAIN CURE FOR HOOF-Bound.-Take an equal quantity of tar and ichale oil, and half the quantity of spirits of Turpentine. Heat the tar boiling hot, then stir in the oil, take off the vessel from the more than probable that it would be quite as and without doubt, will, one day, not far dis- fire and stir in the turpentine. Apply three the history of the weather."

times a day until the hoot becomes soft-the shoes must be spread and set frequently.

Foreign Agricultural News.

We have determined to select herenfter from our foreign exchanges a Summary of Foreign Agricultural News. We shall, if possible, give some extracts of this kind in every number, as we feel assured they will be generally acceptable to our readers, while they will add to the interest and increase the value of our Journal. We shall endeavour to give a sort of daguerre otype picture of the advancing state of agriculture in Europe; thus combining News and amusement with solid

Importation of Cattle into England .- An Account of the cattle, sheep, and swine imported into Great Britain from Ireland, from the 5th day cattle. On this floor also are rooms for stor- of April to the 5th day of July, 1847, has just been ing his root crops, &c. In the second story published by order of the House of Commons—are his granaries and other apartments for Of oxen, bulls, and cows, the number during the storage; and in the third story you find his quarter was 31.917; of calves, 4423; of sheep,

The Fruit Crop on the Rhine .grain to their respective bins, thus saving a cry of man," says a letter, dated Wiesbaden, the great amount of labour; for when you clean 23rd inst., "the crops were never so abundant as our grain, i. c., separate it from the chaft, this year in our country. All the trees are over-tion have but to place the front part of your loaded with front, and we cannot procure a suffi-faming will to any one of these holes, and clean quantity of stakes to support the branches. The Government has ordered the administration of the forests to provide a supply for the farmers and horticulturists, and no less than \$0,000 have been already demanded. Apples are particularly abundant. The English have purchased an enormous quantity of that fruit, which is to be embarked in steamers for London.

> The Potatoe crop turns out so exceedingly productive around Salisbury this season, that one grower has realised £32 per acre for his crop, although he had sold at moderate prices.-[Salisbury Journal.

> There is noto to be seen growing in the gardens at Bonthby Hall, near Grantham, the residence of John Litchford, Esq., under the management of Mr. Clarke, a gigantic Scotch thietle, of the following dimensions:—Height of the leading stems, 7 feet 7 inches; length of some of the principle branches. 11 feet 4 inches; round the stem, 9 inches. When it was in full blow, it had most splendid appearance. having upwards of 209 flowers upon it, of a bright purple colour.

> The Gardener's Chronicle says that, in the South of England, turnips sown with super phoe phate of lime as manure, are never troubled with the fly.

> A Speciful of acraped horse-radish, put into a pail of milk, will keep it sweet for many days longer than the ordinary period.

> From the last parliamentary return, the number of licensed public brewers was about 2600, and the quantity of malt used by them upon the average amounted to 17,933,684 hushels annually— The number of licensed victuallers who brew their own beer is estimated at about 27,000 and the quantity of malt consumed nearly eight millions of bushels; about three millions more were brewed by beer-sellers for consumption on the premises.—[English Paper.

Rural Education.—The arrangements which for some time past have been in progress at the royal schools in Windsor Forest, with a view to the in-troduction to a course of instruction in gardening and in cottage economy, are now nearly completed. Several acres of garden ground are in full cultivation by the boys. Part of the ground is di-vided into allotments, which are cultivated for the benefit of the parents of each scholar; the rest of the garden is worked in common by all the boys. A spacious kitchen, &c., wash-house, store rooms and dining hall, have recently been added to the school buildings The garden furnishes part of the provisions of a dinner which is daily cooked by the girls for 120 scholars. Her Majesty has provided a neat dress for the girls, which they have made up, and the clothes of all the scholars are to be washed at the school by the girls. The royal bounty has thus gracefully assisted the fanilles resident in the Forest by such means as cantact fails have a manuscript handless and not fail to have a permanently beneficial influence. Four pupil teachers have been apprenticed in the royal schools. It is understood that they are the first apprentices under the recent minutes of the Committee of Privy Council.—[English Paper.

Hints to Farmers & Gardeners.—Small farmers and cottagers will find it will well repay them now to sow cabbage-seed upon the land where they are getting their potatoes; as an aunce of seed will produce about 6000 plants at the least. Supposing the seed to cost Sd. per onuce, strong early plants in the spring readily fetch 2d. per score; so that 6000 plants would amount to £2 10s., a fair return for so small an onlay. The plants would be removed in time for the resetting of paratoes in the spring.

Use of Green Elder .- An individual of much practical experience informs us that green elder, deposited in and about the mows of hay and grain, will prove an effectual preventive against the depredations of inice and rats.—[Yorkshireman.

Sleighing and Green Corn .- A private letter from Chicago, Ill . dated the 14th inst. says:
"We had a heavy full of snow last night and

this morning. Sleighing bells were heard in the streets at the same time that we were cutting green corn for dinner; something unparalleled in

Civil and Social Department

OPENING OF THE PROVINCIAL NOR-MAL SCHOOL FOR THE TRAINING OF TEACHERS.

This event, which marks a new cra in our Common School system, took place on the afternoon of Monday last, at the Old Government House, in this city. There was a tolerably fair attendance, though it did not appear that many had come from a distance to be present on this interesting occasion. Lectures were read by Dr. Ryerson. Superintendent of Education; by Mr. Robertson. Head Master; and by Mr. Huds, who, we believe, holds the situation of Lecturer on Natural Philosophy and Agricultural Chemistry. Mr. Ryerson referred to the establishment of Normal Schools in Prussm. Switzerland, France, Britain, and the United States, and to the good effects which flow from such institutions. He unticipates that the number of students in one year from the commencement of the institution, in January next, will be 100.

Taking the Doctor's estimate for the basis of a calculation—though the number is nearly five times as great as attended the Normal' School either of Glasgow or Dublin, during the view of arriving at a conclusion us to how then the tenure by which the land is held. long a period will clapse before the effects of this institution are felt upon our schools generally, it follows that the number in attendance at the Normal School at one time, will give five teachers, regularly trained, for each public domain have been permanently disof the twenty Districts of Upper Canada. It each student attend only six months, two Fembla system in Lower Canada has, in hundred teachers, having the requisite qualification, will leave the Normal School in a year; being ten for each District in Upper Canada. The present number of teachers in Upper Canada is given in the Official Report at 2.756; but making allowance for some not to act justly & adhere to the letter of the w, 3.000. No teacher will be allowed to conduct a school receiving Government money, unless he has a certificate of qualification from to a thorough revision, and be placed upon the Head Master of the Normal School. It a basis more favourable to the development would be impossible to estimate precisely of the country's resources. Obligations and What proportion of the 3,000 teachers at pre- rights are inseprrably united, and when the sent employed, will be allowed, or entitled, to first are disregarded, the second are in common e that is without undergoing a course of justice forfeited :regular training. But it is evident that it is in interesting letter from the Rev. B. O'Reil will be impracticable to fix the standard of the on the condition of the descendents of the qualification much above the average attain- first settlers in Canada, dispersed throughout, of our legislators and others. ments of the mass of teachers now employed; the townships on the southern side of the St. Lawrence. Mr. O'Reilly is the only Roman Catholic missionary nechange of these possible be toot_ut to a stand. Elevating the stan-, and the Irish Roman Catholes dispersed dard of the teachers' qualification will there-pover a circle of about minery unless in diamefore be a work of time. If half the teachers (ter. He speaks favourably of the condition now corplayed, require no further training to of the Irish settlers, who are generally occucuttle them to certificates of qualificationwhen the standard of qualification has been French settlers he represents as hong chiefly definitely fixed-there would still be 1,500 who would have to pass through the Normal tiers originally from the United States, withwho would have to pass through the Normal out religious instruction and schools for their they have formed, where they could get lands school. Without making any deduction for children in the French hor recent enearly on the old terms, shows that they are deaths or those who quit the profession of to all the degradation and vice which are con- steady and successful settlers. teaching, something more than seven years 1908 of open before the requisite number could be trained, and the effects of the Normal ly exposed. Their numbers are said to be School be generally felt upon our Common Schools

The students will be furnished with gratuitous instruction and books, and in some cases, as where a student is unable to pay his own expenses, a dollar a week each will be great part of the time to work for American given toward paying the expenses of board.

required to be conversant with. Among these will be Algebra, Geology, Drawing, Mechanics, Surveying, Logic, Singing, Pointical Economy, &c.

We anticipate much good to the agriculal community from the fectures which Mr. Hinds will deliver on Natural Philosophy and Agricultural Chemistry. The principles of vegetation, the constituents of soils, the mode of repairing the waste occasioned by different crops, and all matters connected with the principles of Agricultural science will be treated on. If the rudiments of this know-

ledge, so necessary to every farmer, be acquired by 100 students in the Normal School every year, incalculable benefits will arise from the scientific knowledge that will be thus disseminated—though it may be in isolated portions like globules of quicksilverover the country to its opposite extremities. Thus will our country keep pace with the advancing intelligence of the age. We cannot overlook the fact that in more than one respect Canada is peculiarly fortunate.-Chemistry, on the principles of Liebeg, as applicable to the operations of Agriculture, 18 a comparatively new science. Its application is, in most countries, as yet extremely try, with every inducement to promote the this township, a rillage of the same name. limited. It comes to our aid at the precise time when we are ready to receive it. We have, through our Normal School, the means of a " fair start" with other countries, and a proper use of our means, will speedily elevate us to the position of one of the first Agricultural countries in the world.

SETTLEMENT OF UNOCCUPIED WILD LAND.

Under this head we find the following article in a late number of the Quebec Gazette. Perhaps no circumstance has a greater effect pupon the permanent prosperity of a country the country. But when large portions of the and regret unavailing. It appears that the industrious settlers to the condition of day labourers. The Seigneurs have, in some cases, subjected the settlers to harsh and iltilers, or the whole system should be subjected

pied in the clearing or cultivating of their lands; but the numerous descendants of the ngaged as servants or labourers to the setchildren in the French hinguise, and exposed sequent on such a state of things. of them it appears also go for employment

Mr. O'Redly asked why the Canadians do iot settle on and cultivate the abundance of fertile had to be found in their neighbourhood? and why, when they do settle on land in the Townships, they leave them for a settlers?

encouragement.

We are afraid that the causes of the unfortunate condition of the descendants of the French colonists, who emigrated to the Townships, he deeper than has been perceived by Mr. O'Relly. These causes were pointed out by the late lamented Andrew Stuart, while he was a member of the Lower Cana-da House of Assembly. They were endea-voured to be removed by the Bill for securing to actual settlers on unoccupied lands the original facilities afforded them by the condiactual settlement, a sufficient extent of unoccupied land, on condition of continued occuterms, in his own neighbourhood, without country have an idea that, in a first crop.

administration of justice, building and keep- as luxuriously as any people ought to live. ing up mills for the settlers at a lower rate; to the settlers and the Province.

the cession of the Province, was virtually discharged from a great part of his onerous Woolwich. the old laws in favour of the actual settlers. who were left without any legal remedy against the abuses which were introduced.

A new system of land granting was introduced about fifty years ago. Vast quantities of waste land fell into the hands of speculathan the tenure by which the land is held, tors who "did what they pleased with their Unfortunately much of our wild land has own." Some of them left the country withbeen subjected to a system of jobbing, out even appointing an agent in the vicinity seriously detrimental to the best interests of for the disposal of the band to actual settlers. Others held them in a state of wilderness till they were rendered valuable by the capital and labour of others, and then they took all posed of to companies the act is irrevocable, the ready money of the settlers that they could get, and besides, frequently, subjected them to a debt, the interest of which fell for more heavily on the settler than all the dues some instances, had the effect of reducing the that could be legally exacted by the Seigneur, and frequently ended in their being dispos-sessed of their land after years of labour besettlements, and began to exact their own about two feet in five, the water rushes with stated, had no remedy. Is it wonderful that the full, the rocks rise to the height of about large families with little capital, prefer becoming servants and day labourers, abandonunder more untavourable circumstances?

Mr. O'Reilly appeals to the "patriotism"

subject to actual residence, by themselves or others, and till the original conditions and laws regulating the seigneurial grants can be legally cuforced.

That the descendants of the original French colonists are disposed to settle on and cultivate the waste lands, the multitude of them ettled on such lands as squatters is sufficient evidence; the new and populous parishes

SKETCHES OF THE COUNTRY.

Woolnich and Nichol-Some good Farms in the " Back Townships"-Fall Wheat-A SMALL Village-Elora and Fergus-Beautiful Cascade, Sr. Sr. Sr.

St. George, Oct. 23, 1847.

DEAR Sirs,—In my letter of the 4th inst. there could be no question :—
Length of Number of Rate of face ou had a sketch of Waterloo, its villages, cc. If you are not averse to going farther Roston and Lowell, 96 miles 400,596 Three Rivers, by unting them in contiguous know these townships are generally denomis) Pachburg 49 settlements and offering every facility and mated "back townships" but be very careful Old Colony 37 or you will entertain a wrong idea of them, and, in consequence, will be much surprised when you behold many beauted formal forms. tion, but I say that many farms in those townships are not inferior to many of the first class of farms in parts of the country which were settled 25 or 30 years somer. In fact many of them exhibit signs of quite as much good taste, persevering industry, tions of the grants from the Crown and the sound judgement, and asthoroughknowledge Works at Long Point, on Lake Eric. has pursets and ordinances of the Colonial Govern- of farming to the best advantage, as any of chased the Marmora Iron Works, in the Victoria ment. These ensured to every applicant, for the farms around Toronto, Hamilton, &c. District.

The soil is good, may excellent, and produces excellent crops of wheat, onts, barley, peas, pation, for a small and fixed annual rent and beaus, turnips, and many others too numerlegally established dues, in no wise burthen- ous to mention. Spring Wheat has heretosome to the settler, and barely a compensa-Hore been the principal kind grown, but many tion to the grantee of the Crown for his are now sowing large quantities of Full trouble and disbursements, and for superin- Wheat which does well, and pays the farmer tending and promoting the settlement,— well for his trouble and expense in getting it Every farmer's son could have land, on these in. Many in the first settled section of the any capital more than was sufficient for his, back townships, (for so they are called) the subsistence till his labour could procure him, inhabitants are obliged to almost skin a flint first crop. In order to get a living, but how are they All the burthens and expenses of the local mistaken! People in these townships live

Before visiting Woodwich I looked over for grinding than is taken in any other coun- Smuth's Map of Canada, and observed in progress of the settlement; in fact to super- 'In traveling through this section of the townintend the whole for the common prosperity, ship, when I came near to the spot I pushed were imposed on the grantees of the Crown, on with the expectation of beholding a plea-who were bound to do for the good of the sant little Village. Well, I continued travel-settlement nearly all that is now attempted long—trivelling—without finding the village, to be done, at so much cost and loss of time and at last I stopped and inquired for it. "You are in it" said the person of whom The Seigneur or original grantee of the I made the inquiry-"you are in it now." Crown on the change of Government. after looked around and at last saw one house, the Post Office. And this, sirs, is the village of It is true that a about one obligations, and was suffered to set at definince quarter of a unle to the South, is a chapel, the old laws in favour of the actual settlers, and not rery far from that is a tailor's shop, but the idea of calling this place a village would scarcely have entered into the head of Punch himself.

> There is a road leading from this place, into Nichol, but it is enough to mke one weep to travel it.

> Before leaving Woolwich let me tell you that, upon the whole, it is a good township, possessing an excellent soil which is very productive, and almost every kind of grain, such as wheat, outs, barley, rye, peas, &c., and fruits, such as apples, cherries, pears, pluins, and currants, can be cultivated to very good advantage.

Nichol is a fine township, well watered. and has a good soil, very similar to that of Woolwich. It contains two beautiful and thriving Villages-Elora, and Fergus, both on the banks of a branch of the Grand stowed for its improvement. Some Seig-River which, it both these places is obneurs, and other holders of large soccase liged to work machinery. At Elora is a grants from the Crown, soon came to under-benutiful cascade formed by a ledge of rocks stand that they enjoyed a species of mono-bacross the channel. Over these rocks, which poly of the wild lands, the nearest to actual do not rise perpendicularly, but gradually ing every thing that is dear to them, rather contains some very good buildings, and some than subject themselves to obligations which unchniery. The place is not very large but they may be unable to fulfil and be expelled still there is a great deal of exterprise exhibitfrom their neighbourhood and the carnings of ed. The country around is settled by active. their hard labour, to begin the world anew, intelligent, and industrious Farmers, who are paying very landable attention to the im-provement of their farms, and many have excellent buildings, an abundance of the ne-No "parriotism" will be sufficient till unwill make you feel at home if ever you travel
will make you feel at home if ever you travel
through that section of the country. Wishing them success and prosperity in all landable undertakings, and yourselves pleasant dreams about our beambful and delightful country, its resources, institutions, &c. sebscribe myself, Gentlemen,

Yours, &c. THE FARMER'S SON.

RAILBOAD TRAVILLING-RATES OF FARE -The following table shows the number of presengers carned on the principal roads of New York and New Fingland in 1846, with rates of fare, &c It will be seen that the rates on the line between this city and Albany are higher than those of any other road. It will also be seen that the cheaper the fares, the greater the travel, which would indi-cate to our roads the policy of reducing their pres-ent high charges. And when it is remembered that the packets between this city and Rochester which have twice a day, are crowded to their titmost capacity—carrying as we see often announced, 200 passengers—a reduction of fare would seem to be a measure about the wisdom of which

476,515 350,316 786,756 2 ≈ 10 2 ≈ 10 327,034 21 2 7-10 213.1:4 213,7.4 265 664 167,471 103,288 174 658 221,818 4-10 135,279 105.509 142,355 Buffalo Commercial.

Mr. Van Norman, Proprietor of the Iron

SONG FOR THE SEASON. BY ELIEL COOK.

Ranck out, took out, there are shadows about;
The forest is donning its doublet of brown.
The willow treesways with a gloomier flout,
Like a heautful face with a gathering frowh!
The true we all know that Summer must go.
I'not the swallow will never stay long in our caves;
Yet we'd eather be watching the wild rune blow,
Than be counting the colors of Autumn leaves:

Look high, look high, there's the lace-winged fly.
Thinking he's king of a fairy realm,
As he swings with delight on the gossamer tie,
That is laked mid the lought of the ain tupped elm'
Alas' poor thing, the first gostle will bring
The Pillar to dust, where your pleasure-cluo weaves,
And many a spirit, like thine, will cling
To hopes that depend upon Antonin leaves!

Look low, look low, the inglit-gosts blow,
And the resiless forms in his tee red
Come whiting and sporting wherever we go,
Lighter in dancing, as never the dead;
Oh! who has not seen rare hearts that have been
Palified and painting, in gath that deceives,
Dashing gaily along in the r fluttering shoen
With despair at the core, like the Autumn leaves!

Look on, look on, more breaketh upon.

The hedge-row boughs, in their withering hue;
The distant orchivel is sallow and wan.
But the appte and not gle on richly through.
Oh! well it will be if our life, like thee.
Shall be found, when old time of green heauty bereaves,
With the spirit of good works for the Planter to see.
Shitting out in Truth's harvest, through Autumn leaves.

Mercily pours, as it sings and sours,
The West wind over the land and seas,
Till it plays in the forest and manus and roars,
Seeming no longer a methful herezo?
So Munic is blest, till it meeteth a breast
That is probed by the ston while memory grieves
To think it was sing by a loved one at rest.
Then it — sies like the sweet wind in Autumn leaves?

Not in an hour are leaf and flower
Stricken in freshiess, and swept to decay;
By gentle approaches, the frost and the shower,
Make ready the say veins for falling says.'
And so is Man in de to as peacefully fade.
By the tear that he sheds, and the sighthat he heaves,
Fur he's housened from earth by each trials hour's shade,
Tall he's willing to go, as the Antuma reaves.'

Look back, look back, and vow'll find the track, Of human hearts strown tho kit over With Joy sdead leaves, all dry and black, And every year still dinging more But the soil is fed, where the branches are shed For the furrow to bring forth fuller sheaves, And sees our trust in the lattice spread In the gloom of Mortality's Autumn leaves' Great Mulcern.

Literary Department.

From the Charleston Courses

THE BEAUTIFUL MANIAC.

OThe fire that in my boson preys Is like to some volcame isle. No torch is knotled at its blaze— A funeral pit.

In the morning train from Petersburg, there was a lady closely veiled, in the same car with ourselves. She was diessed in the purest white, were gold bracelets, and evidently belonged to the highest circles of society. Her figure was deheate, though well developed, and exquisitively symmetrical; and when she occasionally drew as deheate, the figure was deheate, though well developed, and exquisitively symmetrical; and when she occasionally drew as deheate, the figure was deheated and exquisitively symmetrical; and when she developed and exquisitively symmetrical; and when she developed different antiform of a newly invested mode of hardening the sub-figure was deheated through the same occasionally drew as deheated the figure and exquisitively. As the caontchours same, termed videnticial, As the caontchours same to be greatly improved by undergoing this alternative of the wants of meable elasticity, and accommodation to a host of the wants of making in the sub-figure was deheated, though well developed, and exquisitively and accommodation to a host of the wants of making in the caontchours of a newly invented mode of hardening the sub-figure was deheated, though well developed, and exquisitively and accommodation to a host of the wants of making in the same terms of the caontchours of a newly invented mode of hardening the same terms of the wants of making in the same terms of the wants of making in the same terms of a newly invented mode of hardening the same terms of a newly invented mode of hardening the same terms of a newly invented mode of a newly invented ourselves. She was dressed in the purest ed wil, the glimpse of her features, which ! the beholder obtained, satisfied him of her extreme leveliness. Beside her sat a gentleher with unusual solicate be, and several times together, have attained their highest degree when she attempted to rise, he excited the curiosity of the passengers by detuning her in her seat.

Outside the cars all was confusion; passengers looking to their baggage, porters run- that may be which destroys its transparency.

At the first motion of the car, the lady in not so much of misery been stamped upon it. Alas! that one glance told a melancholy tale.

"State of the was changed. As by the suckness of the suck her mind. Had wands ring from its awelling, and her eyes. They had not their own have, but the look. Which is not of the earth; she was become. The queen of a fantastic reading, her thoughts. Were combinations of degoined things. And forms, impalied be and a generated Or other's sight, familiar were to hers."

unremitting in his efforts to soothe her spirit, sometimes so distinctly marked as to attract He led her back to her seat; b-1 her hair was, the attention of even the casual observer. A still unbound, and her beauty inveiled. The remarkable instance of this kind occurred cars rattled on, and the passengers in groups during the spring of 1833. From the 17th poses. It forms an admirable spring, more decide resumed their conversation. Suddenly a wild or 18th of April to 9th of May, a period of and more equal in power than those of steel; it includy arose: 'it was the beautiful manac's voice, rich, full, and inimitable. Her hands were crossed on her heaving bosom, and she waved her body as she song with touching fell to water the earth, and the sky was dark-

"She is far from the land where her young hero sleeps. And lovers are routed her sighting, But coldly she turn from their gaza, and weeps, For her heart in his grave is lying!

"She sings the wild songs of her dear native plains, Every note which he loved awaking— Alt! inthe they think, who delight in her strains, How the heart of the intested is breaking.

Her brother was unmanned, and he went as only man can weep. The air changed, and she continued"Has sorrow thy young days shaded As clouds over the morning fleet? Too fast have those young days faded, That even in sorrow were sweet? If thus the unkind world wither Each feeling that once was dear? Yours child of misfortine? come hith I'll weep with thee, was for tear."

She then sung a fragment of the bea. ..ful hymn:

" Jesus, lover of my soul, Let me to thy bosomily."

Another attempt to rise up was prevented, and she threw herself on her knees beside her brother, and gave him such a mournful, entreating look, with a plaintive "save me, my brother, save your sister!" that scarcely a passenger could refinin from weeping. We say scarcely, for there was one man (was he n man ?) who called upon the conductor to "put her out of the car." He received the open scorn of the company. His insensibility to such a scene of distress almost defies belief; and this is, in every particular, an "ow'er true tale," Should be ever read these lines, may his marble heart be softened by the recollection of his brutality!

Again the poor benighted beauty raised her bewitching voice to one of the most solemn sacred airs:

"Oh where shall rest be found Rest for the weary soul !"

And continued her melancholy chaunt until we reached the steamer Mount Vernon, on board of which we descended the magnificent James river, the unhappy brother and sister occupying the "ladies cabin." His was a and no one dare intrude so far upon his grief as to satisfy his currosity.

We were standing on the promenade deck, admiring the beautiful scenery of the river, when at one of the landings, the small boat pulled greatest intensity, particularly so, as the imaway to the shore with the unhappy pair, cn, mense volumes of actual smoke, which are route for the Asylum at ____. She was standing erect in the stern of the boat, her head still uncovered, and her white dress and raven tresses fluttering in the breeze. The boat returned, and the steamer moved on for Norfolk. They were gone! that brother with his broken heart, that sister with her melancholy union of beauty and madness

. Me ip so teste.

INDIAN SUMMER.

A paper read before the National Institute, by Professor Jacobs, of Pennsylvania Colduring the year. He designates these severor the pressure of the atmosphere, or both

Seasons of comparative rest in the atmosphere are of frequent occurrence, and the sky s scarcely ever free from matter, whatever

The first occurs with but little variation as white started to her feet with one heart- to time, at about the close of October, or bepiercing scream, and her bonnet falling off, ginning of November. It is scarcely ever as disclosed the most lovely features we evercome that as the 12th or 13th of the latter mimed templated. Her raven tresees fell over her month. This is the period of the "Indian shoulders in graceful disorder, and clasping Summer," properly so called. In its duraher hunds in prayer, she turned her dark eyes thou it is not perfectly uniform. Sometimes to heaven! What agony was in that look! In lasts two or three weeks, and at others only. What beauty, too, what heavenly beauty, had a few days. During the autumn of '43 it continued only for five days, viz : from the 28th of October to the 2nd of November, and was then so faintly marked, as to have led many persons to suppose that for that year there was no Indian Summer, and was, therefore, scarcely distinguishable from the rest of

The second occurs about the middle or close of April. Though not in general so well Her brother, the gentleman in black, was characterized as the period just named, it is but little disturbance; the winds were gentle; but few clouds were to be seen; no rain ened by what had the appearance of smoke, which was afterwards enforced by real smoke, arising from extensive fires then prevailing in our mountain forests. But during every year, perhaps without exception, this peculiar state of weather may be noticed at this period, sometimes more, and at others less distinctly.

The third period occurs from about the middle of January to the first week in Febthree weeks. During this season it not unfrequently happens that the farmers in Pennsylvania and Maryland plough the grounds designed for the reception of their spring crop. Among the more remarkable examples of this kind might be named the winters of 1817 and 1818, and those of 1842 1843. Every year, however, as might be expected, is not alike in this respect, just as is the case with the "Indian Summer."

A fourth period of similar atmospheric condition exists during the month of August. The atmosphere has then sunk into a state of almost perfect repose. The breezes from the south and from the southwest, which had almost daily, during the months of June and July, refreshed us, and thus rendered the heat less oppressive, have died away. The stagment and sultry air has its transparency destroyed by thin haze or smoke, through which distant objects appear of a whitish blue color. Thunder clouds have diminished in frequency and extent, and hence, except during extraordinary seasons, the month of August is deficient in rain. The widely extended cloud does, indeed, come with its refreshing and cheering showers, but these it distils rather gently and quietly. And, after it has passed away, it leaves a dusky atmos-phere. It is about the middle of the month phore. when this state of weather mostly occurs.

Agreeably to these views, there are, therefore, four grand periods at which a smoky or hazy atmosphere pre-eminently prevails, viz: two of greater intensity, occurring about sorrow too profound for ordinary consolation, in month or six weeks after the autummatand vernal equinoxes, and two of less intensity, or less distinctly marked, occurring at about the same length of time after the summer and winter solstices. The autumnal is of the thrown into the air from ten thousand fires kindled by Indians and hunters among the western forests, strewed with the recently fullen foliage, add their sombre line to the already existing vapor smoke. The Indian summer is, therefore, only one of the four periods, and subject, like the rest, to vary exreedingly in character and duration, during different years.

VULCANIZED CAOUTCHOUC-GUTTA' PERCHA.

A late issue of Chambers's Journal, in noticing lege, says the Baltimore American, treats of the inderial Cauternoothis impression, its imper-those atmospheric phenomena so character-timeable elasticity, and accommodation to a host the initerial Caoute House-its wonderful collesive

al sensons as follows, giving it as his opinion Britain as connected with this subject, ascribes the merit of the discovery to a Mr. Hancock of

England.
The cautchout to be vulcanized is immersed in a bath of fused sulphur heated to a proper temfor their lowest, and are about to pass to the aperature, until by absorbing a portion of the sullopposite extreme:

plan, it assumes a carbonized or burnt appear

Seasons of comparative rest in the atmos-plane, and eventually acquires the consistency of horn. The same condition can, however, be pro-duced by kneading the India-rubber with sulphur and then exposing it to a temperature of 1908 Fahrenheit, or by dissolving it in any of the comsengers flooking to their baggage, porters runs, that may be which destroys as transparency, and all the usual hurry and bustleattending the departure of a railroad year, with considerable regularity, at which train. One shall whistle from the engine, pare to be witnessed the grand distinguishing and we moved slowly away.

Fabreighet, or by dissolving it in any or me common solvents, as turpentine, holding sulphur in solution or suspension. The rationals of these operations appears to be that the India-rubber forms an actual chemical compound with the sulface of cropic forms an actual chemical compound with the sulface of cropic forms an actual chemical compound with the sulface of cropic forms an actual chemical compound with the sulface of cropic forms an actual chemical compound with the sulface of cropic forms an actual chemical compound with the sulface of cropic forms an actual chemical compound with the sulface of cropic forms an actual chemical compound with the sulface of cropic forms an actual chemical compound with the sulface of cropic forms and compound with the sulface of cropic forms and compound with the sulface of cropic forms and compound with the sulface of cropic forms are compound with the sulface of cropic forms and compound with the sulface of cropic forms are compound with the sulface of the compound with the sulface of cropic forms are compound with the phur; becomes, in short, a subburet of engate choic, the properties of which are thus enumerated: The new compound remains inclusic and rigid at a few degrees above the freezing point of water; vulcamzed caontchane is not affected by the ordinary solvents, nor by heat within a considerable range of temperature. Finally, it acquires exrange or temperature. Finance, it acquires ex-traordinary powers of resisting compression, with a great increase of strength and elasticity. Some interesting experiments have been made upon this compound. Mr. Fuller has invented a form of spring in which vulcanized caoutchout takes the place of steel, and the surprising result is that the Industribber springs are more than three times the strength of the metallic; that is, they will reto from free length of their tension, a pressure equal to from free length of this material was obtained by firing a common ball at a mass of yulcanized caoutchour, and it was found literally broken to pieces, while there was scarcely a perceptible rent in the contchoic itself.

Gifted with these new powers, vulcanized caout-

choug has already been canca into extensive em-ployment for the most various and opposite purthree weeks, the atmosphere was subject to has for this purpose been applied to locks and but little disturbance; the winds were gen- window blands. It may be mentioned parenthetically that by proportioning the augredients the material may be rendered harder or softer at will. It is manufactured into most elaborate oriuments, being superior to leather in the sharp outline and hold relief of their detail. It is formally hold relief of their detail. It is formed into a tubing of great strength and flexibility, welladapted for fire-hose and for any apparatus required in conveying steam, water or gas-although for these purposes it is, perhaps, somewhat costly.-The tubing has been, by way of experiment, wrapped together, twisted, and knotted into every conceivable shape, but instantly resumes its contour us soon as liberated from its restraint. The

canvas, which were slowly destroyed by the incanyae, which were slowly destroyed by the in-fluence of the sea water. Its most important ap-plication is in its use in railways, and in railway carriages. It is laid between the rail and the sleeper, and thus prevents the rails from indicating any traces of pressure. Beside all these appli-ances, it is pruposed to apply it as a coating to protect the wires of the submarine telegraph from the influence of the constructs is force; the influence of the sea water; it forms imper-vious bottles for ether; inkstands, pantaloon-straps, boots, surgical bandages, and a number of articles, for which its nature seems to have been

expressly designed.

From this, there is a natural reversion to the very similar substance termed GUTTA PERCHA. This isof recent introduction into England, having This isof recent introduction into England, having been first brought under the notice of the Society of Arts in the autumn of 1843. The history of its discovery is given at great length by Doctor Montgomerie. This gentleman first observed it manufactured at Singapore, in the hands of a Malayan woodsman, and from investigations forthwith insututed, Dr. M. became convinced that if attainable in large quantities, it would become extensively useful, and establish another specific trade of commerce.

The transform which it is procured belows to

specine trace or commerce.

The tree from which it is procured belongs to the satural order Supotacen—it is found in abundance in many places of the island of Singapero and some dense forest at the extremity of the peniusula, and is plentiful in Borneo. The tree is called Ninto by the natives; it attains a considerable size, even as large as six feet in diameter—one of the largest in the forests where it is found. It is valueless for building merioses, on account of It is valueless for building purposes, on account of the loose and open character of its tissue; but bears a fruit which yields concrete oil, used for food by the natives. 'Gutta Percha,' however, is contained in the sap, and is thus precured:

A magnificent tree of 50 or perhaps 100 years' growth is felled; the bark is stripped off, and a milky juice, which exudes from the lacerated surfaces, is collected into a trough formed by the to the air the juice quickly coagulates. From 20 to 30 pounds is the average produce of one tree. However, this is needless, shameful waste-incisions in the bark, without destroying the tree, would answer every purpose, and prevent the present apparent probability of a speedy and entire failure of the article, resulting from such extravagance.

Gutta percha below the temperature of 50°, is as hardas wood, but it will receive an indentation from the finger-nad. It is excessively tough, and from the finger-nail. It is excessively tough, and only flexible in the condition of thin slips; in the mass, it has a good deal of the appearance and somewhat of the feel of horn; its texture is somewhat fibrous—in colour varying from a whitish yellow to a pink. It is in a great measure devoid of elasticity, offering a striking contrast to caoutchoue, but its tenacity is hitle less than wonderful; a thin slip, a eight of a inch in substance, austained a weight of 42 pounds, and only broke with a pressure of 56 pounds. It offers great resistance to an extending power; but when drawn out it remains without contracting in the same position. When in its hard state, it is cut with incredible difficulty by the kinfe or the saw. Like caoutchoue, it burns brightly when lighted, disengaging the peculiar odour accompanying the combustion the peculiar odour accompanying the combustion of that substance; like it, also, it is soluble with difficulty in other and some few other substances. and very readily in oil of turpentine.

We may now properly consider the applica-tions of this substance. The solution appears to be as well adapted as that of India-rubber, for the manufacture of water-proof cloth, and for other purposes to which that liquid is now applied. In the solid state it is used by the Malays as far pre-ferable to wood, principally as handles to weapons and utensils of various kinds. Its value has been readily recognized by our inventors, no less than six patents being in existence hearing reference to this material. Among tedious enumerations of its various uses, there is mentioned a process of so hardening it that in that state it offers itself for a thousand offices: as excellent picture-frames, incredible tough walking-sticks [these last are plentifully manufactured of this material m China]. door-handles, ches-men, sword and knife-handles door-handles, chessmen, sword and kinfe-handles, buttons, combis, and fittes. It has been suggested that it would make a good, certainly a harnless stopping for decayed teeth. It has also been proposed as a material for forming the embossed alphabets and maps for the blind, on account of the clear and sharp impression it is capable of resaining. It is an excellent matrix for receiving the impression of medals and coms, and is valuable on account of the etherometric matrix. able on account of its subsequent non-hability to break. By mixing a proper portion of sulphuric acid with it, or adding a portion of wax or tallow. it may be reduced to any degree of solubility, and furnishes a good varmsh, quite impermeable to water. It is probable that an extensive applica-tion of the discovery will be, the use of fluid for amalgamating colours in printing; it is thought that colours so printed will prove as lasting as the fabrics on which they are impressed.

Time alone, however, can determine the extent to which Gutta percha will be applied in the useful and ornamented arts. There appears no doubt that it will soon become a article of commerce as important, if not more so, than exoutchouc itself; and there is a general belief that its persevering discoverer will have many occasions, and we hope for many years, to rejoice over the benefits he has been the means of conferring upon the present age by its introduction.

IRON MOUNTAIN OF TRAAS .-- We have been informed by a respectable gentleman who resides in Fredericksburg, that the surveyors who have been engaged in running the boundary line of the German colony have discovered a mountain near the Conchos river that consets entirely of iron ore. A portion of this iron has been smeked and yielded 70 per cent of pure iron. According to middle of January to the first week in Feb. tube promises to become invaluable in the continuer representation of those who have visited this ruary, and continues from five or six days to struction of life-boats, superseding those made of mountain, it resembles the calebrated iron menutain in Missouri, being only four or five hundred and waters with hie, and numberless as the stars of the feet high and probably half a mile in circumfer firmament. The one suggests to us that above ence. We are informed, however, that a range of all and beyond all that is visible to man, there hills extending several miles north of it, that appears to be composed almost entirely of iron ore. Incasurably along, and carry are impress of the Wilhing that its contact of the start of t Pears to be composed almost entirely of iron ore. I measurably along, and carry one impress of one. Within a tract of country fifty miles long by Almighty's hand to the reports scenes of the unitation of the making from the east bank of the very—the other, that softlin and beneath all that Colorado northward toward the Brizos, there is immuteness which the added eye of man is able to probably sufficient from to supply all the founds explore, there may be a world of invisible beings, may must enough in its natural state for admits in the world for the next century. Owing and that, could be draw aside the mysterious veil lesion), pulverizes it, presses it under plates. ries in the world for the next century. Owing however, to the scarcity of fuel, this are, except in the immediate vicinity of the Colorado and its tributaries will probably remain for many years, perhaps for centuries, as valueless as the said fulls of the desert,

Our Table.

GARDENER'S AND FARMER'S JOURSEL .--- We have received from the publishers in London, three numbers of this valuable Agricultural Journal. $[\mathbf{R}]_i$ is a first class Puglish periodical, conducted somewhat on the plan of the Gardener's Chronicle. In ounces of rosin and eight ounces of roll brunstone, what on the plan of the Gardener's Chronicle. In shape it resembles the Canada Farmer, being about train oil. Heat them slowly, gradually adding an inch less in width and two inches shorter than our jointal. The annual piece is six dollars and quently stir the liquor, which, as soon as the solid provided in a half; and even at this price it contains no What remains unused will become solid on coolwood cuts. Each number has 20 pages of reading and may be re-melted on subsequent occa-matter, being about three times the amount given stons. When it is fit for use, add as much Spin-

ception which met these first, but meritorious, attempts to impart to the public mind the essential knowledge of pylsiology, he has got prepared Another and even more complete figure of the beat or to prevent the overflowing of the marked human frame, in the shape of a heautiful Mooring the mind the grace and elegance of a lovely female form—her general appearance bespeaking all the intelligence of conscious living innocence. The demonstrator, however, soon changes this more agreeable part of the scene, and proceeds to those completed mithe overflowing of the marked that the machine, which completes two at a time, will turn out at an average thirty per mould, and other spots on linen, may be removed by applying to the part, previously washed clean, a weak solution of chloride of lime or of ada, oxalic acid, or salts of lemon, in warm warr, and often it may be done by merely using a vidual parts, at the same time elucidating such explanations and observations as the nature of each the stam or spot, should shortly after be thorough. planations and observations as the nature of each thick lemon-pince. The part which contained planations and observations as the nature of each the stam or spot, should shortly after be thorough-head, heart, stomach, longs, and nervous systems are peculiarly interesting, and the consequent knowledge derived from their various workings and these, is exceedingly instructive, and such as former whiteness by working it well in water former whiteness by working it well in water could not be communicated by any written analysis. By this means the knowledge of the physiology of the human system is detailed in the plainest and most common sense manner; and thus the important laws which regulate our every day existence are brought home to the mind with an impressive eloquence which is ever atterward-felt and remembered. No feeling of indelicacy need be apprehended, even by the scrupulous in these respects, in viewing either the Venus, or innother female form, which more especially defineates those more manignant diseases to which hu-manity is subjected. At first sight all such im-pressions vanish, and give place to the more de-scrable feelings of wonder, admiration and awe. A misapprehension has been abroad that the Moorish Venus is the same as the white Venus, but colored 'This, we understand is a mistake, as the latter figure is still exhibited in different parts of the kingdom.-[North Brush Mail.

REFUGE FOR FEMALE CRIMINALS—We are informed by the Literary Gazette, that "Miss Courts has determined to prepare a domicile at Shepherd's Bush, under judicious and merciful regulations, capable of maintaining a considerable number of discharged female prisoners, who have been condemned for offences, punished, and then

the telescope enables us to see a system to rotted. American name, as an astar, the microscope unfolds to us a world in every though the present rate is 7 cents. The one instructs us that this mighty globe. with the whole burthen of its people and its countries is but a grain of said in the vast field of imposition of its people and its countries is but a grain of said in the vast field of imposition of its people and in the vast field of imposition of its every atom may have other day a stone in the howels of the earth! bour the tribes and families of a busy population. Sincited the stone yielded iron. The iron was the insignificance of the world converted into wire. The wire was brought was about the countries of the converted into wire.

tain of Missouri. It is not so large as the mount the waters of every rivilet, there are worlds teem and that, could be draw usade the mysterious veil beson), pulverizes it, presses it under plates, which shrouds it from our senses, we might behold forms it into moulds, each motion of the machinal dictare of as many wonders as astronomy can unfold—a universe within the compass of a point, as small, as to child all the powers of a point. so small, as to clude all the powers of the micros-cope, but where the Alonghty Ruler of all things finds from for the exercise of his attributes, where he can raise another mechanism of worlds, and fill and animate the mall with the evidences of his glory.

Scientific.

To PREVEST WOOD DECAYING -Take twelve matter, being about three times the amount given in this journal. It is impossible to compare the price of Luglish with Can ideal journals, without seeing the striking difference, and feeling the disadvantages under which the proprietors of Colonial journals are placed by the almost nouning all price to which every thing in the shape of newspapers is reduced amongst us.

When it is fit for use, add as funch Spin. Except to keep up the steam to a given pressure, and seeing the striking difference, and seeing the striking difference, and feeling the will give the shade you want; then lay it on ventor. Mr. Stifford, is a gentleman of our accountable and as thick as you can; some disadvantages under which the proprietors of Colonial journals are placed by the almost nouning all who, from the first coat is dried, give it a second of the oil and takes pleasure in informing all who, from the first coat is dried, give it a second of the oil and takes pleasure in informing all who, from the first coat is dried, give it a second of the oil and takes pleasure in informing all who, from the first coat is dried, give it a second of the oil and takes pleasure in informing all who, from cuttainty, or otherwise, examine his operating models.

Now Britis Making Maki The Gardener's and Farmer's Journal is a very should always be given, and in compound mechanic parts should be variished bevaluable publication, which we are happy to have fore they are put together, after which it will be placed on our exchange list. Prudent to give a third coating to the joints, or to any other part which is peculiarly exposed to the action of unstitire, such as water-shoots, flood-gives the beds of carts, the tops of posts, and all the structure of the boiling anatomical demonstration, is one which has often been desired, but never tall now fully realized. Signor Sarti has had the honour of first conferring upon the people of this contry such an invaluable boon. His last visit to this city, with his auatomical Venus and Adoing to this soit, with his auatomical Venus and Adoing teaders. In consequence of the favourable reception which met these first, but increasing attempts to impart to the public mind the essential knowledge of pechalology he has a set and the structure of the public mind the essential knowledge of pechalology he has a set and the structure of the public mind the essential knowledge of pechalology he has a set and the proposition of the sale of second per perfectly dry. It is not always possible to regulate the possible to regulate the proposition of the sale of second perfectly dry. It is not always possible to regulate the possible to regulate the possible research to the public mind the essential knowledge of perfectly dry. It is not always possible to regulate the possible research to the public mind the essential knowledge of perfectly dry. It is not always possible to regulate the possible part which is perfectly dry. It is not always possible to regulate the possible research to the public mind the essential knowledge of perfectly dry. It is not always possible to regulate the possible research to the surface of the table again, from which it is taken by the catery to the surface of the table again, from which it is taken by the coloring to the latter, it is not always possible to regulate the form of carries to the possible received to the clark of carries, it is not always possible to regulate the possible to the possible to the possible to the possible to the carries of carries. The bricks are then ready withou

four by careless washing, may be restored to its former whiteness by working it well in water to which some strained solution of chloride of lime or of soda has been added, observing to well rinse it in clean water, both before and after the immersion in the bleaching liquor Never attempt to bleach unicashed linen, and avoid using the liquor too strong, for in that case the fabric will be rendered rotten fAm. Ag.

INTERESTING FACT.—The slow transmission of heat through loosely coherent clay and sand, was tested recently in England, by an experiment in which a thickness of half an inch of such matter intercepted the heat of a mass of 11 tons of white hot melted cast from for 20 minutes, without the heat outside of the vessel being sufficient to pain the hand.

ANERICAN IRON.-The Philadelphia North American says that there will be sixty thousand tons of radroad iron manufactured in this country during this present year, which will be equal in quality to any imported iron. The value of this quantity at the present selling prices, will be upward of four millions of dollar-

regulations, capable of maintaining a considerable number of discharged female prisoners, who have been condemned for offences, punished, and then thrown upon the world characterless, tanted, abandoned, and helpless. To these the gates of reformation will be opened. They will be in structed in the consoling and upholding value of morals and religion. They will be taught the means of industry, whereby they can earn their bread. They will be rescued from the necessity of guilt; and if not doomed to rum by evil dispositions, which cannot be cianged, they will be restored, repentant and virtuous members, to society, instead of being outcasts and curses, to that and themselves." Mr. Chesterton, the experienced and worthy governor of Coldbath-fields, is, we are told, superintending the preparations of the Refuge. A NEW AND IMPORTANT INVESTION, which portations and controlling our own market, but exporting to other countries. Two-thirds of all THE TELESCOPE AND MICHOSCOPE.—While exporting to other countries. Two-thirds of all the telescope enables us to see a system in every rotted. American heims, at an average of 5 cents. rotted American hemp, at an average of 5 cents,

weighs 20 tone 5 cwt., and will cost the purchasers \$5503. It is intended for the incline on the Edinburgh and Glasgow Railway near the latter city. A rope of hemp of equal strength would weigh 334 tons, and cost \$1400 more.

MACHINE FOR MARING PACE BRICK .- Mr. A entific Mechanic.

As Incorrest Discovery.-If the machine relerred to below perform all the functions attri-buted to them, they will be of immense value. We copy from the N. Y. Express:—

Among the pronument articles at the Fair, is the New Process of Preserving Broad Stuffs and other substance, without change of colour, or quality of flour. There are two seperate machines one peculiarly adapted for expelling the moisture from flour, meal, and mak; the other operating similarly upon grain. They are both heated by steam, and the condensed steam is re-turned to the boder. The great ment of these in-ventions less in their simplicity, and cheapness; that they must prove effective, no one can doubt who examines them. They require no attention except to keep up the steam to a given pressure. Ventilation disengaged by the heat, which is the

lish paper thus describes a machine for the manufacture of backs, which has been lately patented by a Laverpool firm.

The clay, without any previous preparation, i necessary in the ordinary mode of preparation in the pit and drying on the ground. Shrinking is thus considerably lessened, and the article, it is said, is of more perfect shape, and much superior to those completed in the ordinary manner. It is

Welcome helpless little stranger, To this busy world of ours, We'll try to shelter thee from danger, And direct thme infant pow'rs.

What shall we call thee, little son? How chose 'mong all the names? I'll think—I now have fix'd on one, 'Tis that of brother James.

That name is now a part of thee. And it will leave thee never, What e'er may be thy destiny. Thou wilt be James forever.

Poor helpless little traveller, Thy journey's just begun, 'Tis Time, the great unraveller Must tell us when it's done.

Should Providence permit thee grow To man's mature estate, How many changes sure tho' slow, Will on thy progress wait.

The swaddling bands, and teething rings, 'Mul smiles and cries have vanished; Short frocks and ratiles are again By tops and trowsers banished.

Meantime thou'st learn'd to sit and stand, To see, to hear, to walk To use each active little hand, And also how to talk.

Then schools and scuffles, books and balls And marbles in the ring, With running, leaping—and the rod, May sometimes cause a sting.

And much thou'lt wish that time would pass, And think each year so long, Till thou hast climb'd from boy-hood up I'o man-hood, big and strong

No more I'll say, but trust that grace May hand in hand with nature. Direct thy course, that thou may'st grow In wisdom as in stature.

That we, if spared, may guide thee on,
As suth the Sacred Word, In wesdom's way, th'nurture and Montton of the Lord. W. A. S.

LINKS OF ADVICE.—Never speak of natural fects in the company of the deformed. Utter no word that would wound the feelings of iose who are humble in circumstances

When attacked by vulgar and brutal language be as mild as possible a your replies. we inhabit—the other redeems it from all its in-, to the Kirerope manufactory, near Galeshead. Laugh not at those who make an awkward appendicance, for it tells us that in the leaves of and incre twisted into a line of 4000 yards long, pearance, remembering what you would have every forest, in the flowers of every garden, in It is the stoutest rope of the kind ever made. It been without the polish of society.

For the Ladies.

OUR GIRLS.

Our girls they are pretty,
And gentle and witty,
As any the world ever knew—
Talk or about Spanish,
Or C. 188, 'heath their summer skies blue,
Illingive me our lassies,
All firsh as the grass is
When sprinkled with roses and dew.

Lach up is like a blossom,
Lach fart swelling bosom
As white as the blid drifted snow—
With eyes softly dashing,
Like spring bubbles dashing,
Oer bills, tocks, to valleys below;
All enabling with beauty,
Mideing their day,
Where shall we for loveher go?

O, ours are the furest,
The sweetest, the rarest,
The purest and fendest I see—
Their hearts are the truest,
Their eves are the bluest,
Their spirits so made and free—
O, give me no ofter
True love, sister, mother,
Our own are the chosen for me.

TVII INTICENCE OF FASHION - Never yet was a woman really improved in attraction by ming-ling with the mother throng of the beau monde. She may learn to diess better to step more gracefully; her head may assume a more elegant turn, her air more distinguished; but in the point of ner air more usinguisient, ont in the point of attraction she acquires nothing. Her simplicity of mind departs—her generous confiding impulses of character are lost—she is no longer inclined to interpret favourably of men and things—she has tens without believing—sees without admiring— has suffered persecution without learning mercy —and been taught to mistrust the candour of others by the forienture of her own. The fresh-ticss of her disposition has vamished with the freshness of her complexion; hard lines are perceptihers of her complexion; nard mess are percepu-tible in her very soul, and crows' feet attract her fancy. No longer pure and fair as the statue of alabaster, her beauty, like that of some painted waven elligy, tawdry and merctricious. It is not alone the ronge upon her cheek and the false tresses adorning the forchead, which repel the ardour of admiration; it is the artificiality of mind with which such efforts are connected, that breaks the spell of beauty.

Love of Markier Life.-The affection that links together man and wife is a far hoher and links together man and wife is a far hoher and more enduring passion than young love. It may want its imaginative character—but it is far richer in holy attributes. Talk not to us of the absence of love in wedded life. What, because a man has ceased to "sigh like a furnace," are we to believe that the fire is extinct? It burns with a steady and brilliant flame, shedding a benign influence muon existence a million times more precious ence upon existence a million noise more precious and delightful than the cold drains of philosophy.

Refreshing to the sonl, jaded and fret!ul from Refreshing to the soil, juded and frethly from the fight of men, to slake its thirst for peace and beauty, at the fountain of memory, when child-hood scemed to have played with angels. What a luxury of the heart, to cast off the present like a foil, begrined garment, and let the soul walk awhile in the naked innocence of the past! Here is the scence of a happy childhood. It is full of gracious shapes—a resurrection of the gentle—beauthal. We have lain in that field, and thought the lark—a trembling, fluttering speck of soing above us—must be very near to God. Such may he the memories of a happy youth.—[Douglas Jerrold.

Monkey,—Nothing is more amiable than true modesty, and nothing more contemptible than that which is false: the one guards virtue, the other betrays it. True modesty is ashamed to do anything that is repugnant to right reason; false modesty is a shamed to do anything that is opposite to the humour of those with whom the party converses. True modesty avoids every thing that is criminal—false modesty every thing that is unfasionable; the latter is only ageneral undetermined instinct—the former is that instinct cir-cumscribed and limited by the rules of prudence and religion.

Pillan Roses —A correspondent of the Scientific American practices the following unde of having pillar roses. Two inch angur holes are bored through pieces of scanding, 3 by 4 inches, and 12 feet long, one foot apart. They are then set in the ground as posts, three feet deep—Near them tall growing roses are planted, two of different kinds, on each side of the post; and as they grow, the stems are run through the loles. In this way they will rise nine feet high. No In this way they will rise nine feet high. No winds can blow the stems off, and no tying in necessary. Branches intertwined, bearing roses of contrasted colours, make a fine appearance. The Boursalts, Hybric, China, and some of the prairie rose, furnish fine roses for these blooming pillars.

Scraps.

----A NEW Custon -An exchange paper sugpublishing notices of hirths as well as the deaths of people: that little babies have as good right to be honoured with a notice in the papers when they come into the world, as old codgers have when they step ont.

"JESSA Kissen Mr."-In the notice of Leigh Hunt's " Men. Women, and Books," is the following exquisite rondeau, which has, says the reviewer, heside its own excellence, the additional interest of being the offspring of a real impulse and chronicing the loving audacity of one of the most charming of women's

" Jenny kissed me when we met, Jumping from the chair she sat in a Time, you third! who love to get Sweets into your list, put that in. Say Pin weary, Say Pin sad.
Say Pin weary, Say Pin sad have missay Pin growing old, but add

Jenny 1-1

An Irish servant girl applied to a druggist, a fow days since, for six cents' worth of the "glo-ry of rhyme." She had been sent for chloride of lune.

"NEVER SAY DIE"—A soldier was sworn into the service of the United States, at Cincinnati, last week, who was in the battles of Palo Alto, Monterey, and Buena Vista, and in the last one fell, and was left for dead upon the field, reported as dead to headquarters, and published as dead in the official dispatches.

Conversation amount "the Wines."—
"Sure," said an Irishnan, lest Sonday, "I've seen them wires every day, and I never saw anything pass along them yet." "That," said hos companion, 'as because it's a strake of lightnm' that does it."

A Good Pasition .- The Fashion for men to A Good Assertion and parts of the head, prevails at present in Paris. We are glad to hear it for we have never yet found either good sense or honesty under a heavy mass of long hair.

News Department.

From the Banner.

By Telegraph from New-York. ARRIVAL OF THE FRENCH STEAMER

PHILADELPHIA.

Still Further Decline in the Markets-Disturbance in Switzerland, Italy and Spain. -Battle between the Forces of Abdel Kader and those of the Emperor of Morocco.

ITEMS OF NEWS.

into Halifax for a supply of coal.

The American steamship Bashington arrived out on the 8th alt.

The French steamship New York, which sailed from New York on the 15th Sept., arrived at Cherbourg on the 4th of October

Flour and corn are lower in all the markets of France. The news received in Paris on the 5th ult. from London, caused a fall in French funds

The Railroad shares are all declining.

The Marseilles papers announce, via Gibraltar, news from Africa to the 22nd September. Abdel Kader had fought a good battle with the troops of Morocco, under the walls of Tagoast, in which the Emir lost 4,000 men. Another pretends that this battle refers to the destruction of the four tribes of Hathenris and Cem. Hames.

Mr Van Zedler, Consul from Portugal, was the only failure in London of any consequence of the date of the 7th October. It was announced that a Paris merchant had received the news from India of the failure of an English firm at Calcutta to the amount of 14,000,000 france.

Mr Redmond, who killed Mr. Dugareir, of the Journal La Presse, and of Lola Montes Me-mory, in a duel, had been tried for perjury and condemned to 8 years impresonment.

The Canton of Lucerne is in a state of insurrection, also that of Fribuirg; the districts of Cormont and Grugere, and the valleys of Ma-

Toe Cantons demand the expulsion of the Jesuits.

The French squadron was still before Naples on the first of October

It is said in private papers that the reformers of Naples had divided themselves into three coof Asples had divided themselves into three commins. The first division is called the Legion of Death, and form the advanced guard, commanded by Lergobero; the second (centre) is commanded by Romeo, who has seized upon Margino, a large depot of arms and ammunitions of war. The rear guard is under the command of Potino. The Ariliery on duty at Margino, after the noble exploit of Aspromote joined them. The margination is the Attrivious have abandoned The insurgents in the Abruxzes have abandoned the city, and retired to the mountains, in mita-

tion of those of Regno. It is said that Navarre is in rebellion, and that troops are assembled by Gavan Seffea.

There had been another change in the Cabinet of Spain.

The Governments of Lucerne, Berne, Zurich and other Cantons, are carnestly engaged in mili-tary preparations, in view of a critical state of affairs. A majority of Cantons have agreed to send in front of the Federal army, commissioners who are to use their utmost efforts to bring about con-ciliation, and prevent, if possible, a hostile col-

The army will await the result of their peaceful endeavours.

If they are unsuccessful, it will instantly cross

the frontiers. London Money Market, Oct 5. There were no new failures announced, but there were rumours affoat of more suspensions.

HAVRE, October, 9.

Wheat, sales at 20 a 23 francs, Rys, new 13 a 14 francs. Burley, 12 a 13 francs.

The sum of \$75,000 has lately been offered The sum of \$75,000 has lately been onered for the patent right of an artificial leg. lately invented by a Yankee in New Hampshire. It is estimated that one leg per day is wanted in New England alone, while the Mexican war is creating a good market at the south.

DEATH FROM PAREGORIC.-The New York Express, of Monday, says:—The Coroner held an inquest yesterday, in 23th street, upon the body of John Sloan, aged 4 months. It appears that the nurse gave him six drops of paregoric on Saturday morning, from the effects of which he died waterday morning. died yesterday mornig.

A has L'EDUCATION .- With regret we state that a fresh emente has taken place in resistance of the School Act, in the parish of St. Joseph Le Beance. Information against four or five individuals was laid before the Quarter Sessions in July last, indictments found, and bench warrants issued for their arrest. Repeated and unsuccessful attempts were made to carry the law into effect. This session the neccessary return was made, and rine session the necessary return was made, and requisite measures taken to enforce the law; but again without effect. The flead Constable first attempted the duty and was repulsed. The Sheriff and his posse comutains next undertook it, and left town on Saturday last, but were also driven off ri et armis, having, however, forcibly entered the house of one Pierre Vachon, (a party implicated) who, with his two sons, were armed with adzes, and assailed and maltrented him. The hobitants of the neighbourhood were shortly in arms, in great numbers, and drove back the Sheriff and his

party.
In consequence, Mr. McCord, the Police Magistrate, and a detachment of the Rule Brigade, left town yesterday for the locality in question. Their return is hourly expected.

The Sentence of death passed on Tunothy and Mary Burke, at the Kingston Assizes, has been remitted, and prinishment in the Pentientiary for life subs stated.

We regret to announce the death of Mr. McElderry, Emigrant Agent in this city, from typhus fever, contracted in the discharge of his diales. He died on Saturday last; and leaves a large family to lament his loss.

THE NEW CIVIL LIST.

The New Civil List voted by the Canadian The French ateam-hip Philadelphia, from Parliament on the 18th May, 1846, and re-Havre, whence she sailed on the 10th ult., put served for the expression of Her Majesty's pleasure, received the Royal sanction on the 10th August, 1847. The Royal assent was suspended more than a year, and would probably have been still longer withheld had not an Address upon the subject, passed by the Provincial Legislature at its last Session, been forward-to the Home Government. The New Civil List cannot come into force before the several clauses from 50 to 57 of the Umon Act be repealed by the Imperial Parliament.

> The following items are granted in perpetuity. The New Civil List, in these items, effects a saving of £1607 15s. 4d. a year :-

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| LOWER CANADA. | | • | 1 |
| 5 One Chief Justice of Can- | | | j |
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The following items are granted during the life, and for five years after the demise of Her Majesty. The New Civil List here, also, effects an annual saving of £1795 0s. 9d.

| Orricks, &C | Am'ts paya ble according to present Es tablishments | Proposed am, to be allowed in future, as valides occur by removal of the present Incumbents | | |
|---|--|---|--|--|
| | Currency. | Currency. | | |
| 1 Consensate Succession in | £ s D | £ s D | | |
| 1 Governor's Secretary an his Office | 1925 8 6 | 1535 0 0 | | |
| his Office | 4623 1 10 | 4242 0 0 | | |
| 3 Registrat's Office to merge In the Provinctal Secre tary's Office after the pre | | | | |
| ernt focumbency | 1083 6 6 | 630 0 0 | | |
| 4 Receiver General's Office 5 Inspector General and his | | 3006 0 0 | | |
| Office | 1022 13 4 | 3856 0 0 | | |
| 6 Executive Council Office. 7 Board of Management of | i | 2637 0 0 | | |
| Public Works | 2094 17 7 | 2000 0 0 | | |
| 8 Emigrant Agent | 952 4 2 | 752 4 9 | | |
| 9 Penakors | 5555 11 1 | 5555 11 1 | | |
| 10 Indian Annuitles | 6666 0 0 | 40 0 0 0 0 | | |
| U Contingencies of Public | 7500 0 0 | 7300 0 0 | | |
| Tota's. Gurrenev | 39245 16 0 | 37450 15 3 | | |

These sums are all payable out of the consolidated revenue of the Province.

GREAT WESTERN RAILROAD.

We take the following figures from the Report of the Engineer of the Great Western Railroad Company to the Directors.

Niagera River to Hamilton, 42-10

\$994,685 75-84 m. 2,133,086 niles Hamilton to Landon London to Windsor, thus 109-95 " Graduation &c. as per estimate \$602.965 Superstructure &c. 1,092,500 Add 6 months interest, 6 pr ct | 50,864 1,746,323

This is equal to \$15,875 per mile. Port Sarma branch, 49-85 miles thus Graduation &c. \$233,752 Superstructure Add 6 pr ct. interest 6 months 19,387 665,639

Equal to \$13,312 per mile. The report gives the estimated receipts of the and as tollows:

200 through passengers per day, of 1st class at 2 cts per unle and 100 of 2nd class at 1 cent If the way passengers equal 50 per ct. per day of the above at 25c per mile If 'emigrants' for half's ware about? 416,000 If emigrants for half a year should equal 200 per day at \$1 500,000 bbls flour from Detroit to Hamilton at 20c 36,500

100,000 50,000 tons weigh freight 238,000 Mails and expresses 15,500 \$900,000 Tetal

Estimated expenses, 38 pr ct 342,000 Net earnings \$558,000 On a capital of \$6,000,000 it would divide a fraction over nine per cent. \$558,000

If built to Sarma, the capital required would be nearly a quarter less, according to the engineer's

estimates, which are:—
From Paugara to Windsor, 4,954,080 Niagara to Sarnia, 3.793.913

\$1,161,167

CANADA GAZETTE, Oct. 16th .- The Provincial Parliament is further prorogued to November 25tli.

The Royal Assent to the Bill entitled, An Act for granting a Civil List to Her Majesty, which was reserved by the Governor-General, is intimated by proclamation.

A reward of twenty-five pounds is offered for the discovery of the persons who cropped the manes and tails of some horses of John Jefferies, Emquire, of Rawdon, L. C.

The loss occasioned by the disease in potatoes threatens to be more severe this season than last. A friend in Maine, who sent his whole crop, valued at a thousand dollars, to this city, will have it all returned upon his hands.—[Boston Transcript.

FOOD CHEAPER THAN MANURE.—Within the last few days Indian meal has been sold at 12s, 6d a barrel, or about £7 per ton. The present pric. of a ton of guano is £3.—[Belfast News Letter.e

HEMERSE ADVANCE !-- Mr. Joines Coleman, one of the Commissioners of the Dundas and Water loo Road, has handed us the following statemen of the prices obtained last Saturday, at this ettings of the Gates on the above Road.

No. 1—£1196; being an advance of £557 No. 2— 932 " " 375 No. 3— 701 " " 312

The three gates producing the extraordinary sum of two thousand eight hundred and thirty-nine pounds! exceeding the amount realized last year by one thousand two hundred and forty-four pounds!!

The Road will shortly be finished and then, we learn, another gate will be erected, which will realize at least £500 more. The prosperity of this section of Canada is truly wonderful. Who can tell what the tolls on this line of road will amount to when the Brock Road is finished.—[Dundas Warder.

THE CANALS OF THE ST. LAWRENCE.—The Kingston Wing of the 13th says:—" All the short Canals on the river, between Prescott and Cornwall, are now completed, for the Athon steamer came up yesterday from Montreal, deeply laden, and passed through the whole of them. The Lachine Canal is expected to be timshed some day this week, and the Albion expects to be the first vessel to pass through

LARGE ORIONS-John Gilmore is not less known for his ardent denunciations of the Yan-kees and the Papacy, than for his skill in raising vegetables. One of the above class lays before us, whose largest circumference is 15 inches, smallest 12 inches, and weight 18 ounces, a specimen of 50 bushels sold to Forbes & Brownlee, half of which will average a pound each. They are called English Reds, and were raised this sea

NEW STEAMERS ON LAKE ONTARIO .- The two steamboat Companies who own the Lady of the Lake and the Rochester, and the Cataract and the Ningara on Lake Ontairo, will each, we understand, build a new boat the coming winter of the first class, to be in readmess in the spring to form a night line to run in connection with the form a night line to run in connection with the cars of the Oswego and Syracuse Railroad.—[Oswego Times.

We have seen a list of deaths in hospital at Grosse like from the 5th May to the 9th of the present month, which comprises not less than 34 leet of paper! in length. The names, &c., being placed in line .- [Quebec Mercury.

Fourteen deserters from different parts of Caands, and belonging to different Regiments, arrived at Quebec, on Wednesday, the 20th, under escort of a party of the 23rd Fueileers.—[Montreal Courier.

From the Globe.

BY MAGNETIC TELEGRAPH. Arrival of the Caledonia.

NINE DAYS LATER FROM EUROPE.

BUFFALO, Nov. 5.

Late this afternoon we were advised of the arrival of the Caledonia from Liverpool. lowing advices per that ship have reached us:-

LIVERPOOL MARKETS.

FLOUR AND GRAIN.-Best Western Canal Flour, 25 s. a 27s.; Richmond and Alexandria, 25s. a 26s; Philadelphia and Baltimore, 25s. a 26s. New Orleans and Ohio, 22s. a 23s.; U. S. and Canadian, 20s. a 21s.

Canadian, 20s. a 21s.

VHEAT.—U. S., White and mixed, per 60 lbs
7s. a 5s.; Red, 6s. a 7s.

Osta.—45 lbs., 23s. a 28s.

Oathrat.—240 lbs., 23s and 24s.

Indian Corn.—450 lbs., 30s a 32s;

Harley,—Per 60 lbs., 3s. a 4s.—540 lbs., 30s.

a 404.
P. S. The markets up to this moment have been loseing ground. Flour cannot be quoted beyond 26s per barrel, and Indian Com shows no tendency to rise above 30s per quarier.

The stoppage of the Liverpool Banking Company is just announced, but the liabilities are not lieavy.

The corn market was of course sensibly influ-The corn market was of course sensibly influenced by the unparalleled stringency of the Money market.—'The distressing monetary pressure, announced in our last advices, has, during the last fortnight, continued to rage with unabated severity, involving several additional failures, and difficing a deep impenetrable gloom throughout the whole Commercial community of Great Britain; to such a point of intensity, has the unaccessibility of numer now arrived, that there is scarcely on to such a point of intensity, has the unaccessibility of money now arrived, that there is scarcely one house which can be looked upon without suspicion, no matter how exalted its position; while a feeling of unmitigated sinxiety, is every where perceptible. Among the more recent failures, we have to announce that of F. F. Thomas, Son. & Lefevre, an old Brazilian house; Barclay Brothers of Coulon whose bubbles are not done. thers, of London, whose habilities are put down at £450,000 sterling; Little & Co., also of London: J. W. Morely, of Manchester; S. Phillips, Sons & Co. of London; Mocatter, Son, and Son, Liverpool; Southam, of Ashton-under-Lyne; E. & J. Andrews, of Munchester; White & Co., of Waterford, &c.
We may avoid further enumerations, by stating

that altogether 55 houses have broken down, or suspended payment, since the departure of the lost steamship.

Yesterday it was announced that the Royal Bank of Liverpool had been compelled to suspend payment, which proved too correct. At present it is impossible to give, at full length, a reliable statement of the position of the establishment. It is understood to possess assets sufficient to meet all liabilities.

In the present universal confusion and alarm, it can well be conceived how deeply manufacturing operations have been affected. Business appears to be quite at a stand still, without the slightest prespect of a reaction, although good orders are stated to be held by many firms, yet, in the present prostration of monetary affairs, they abetain from executing them; indeed the pressure for money has been so great that sales have been forced for cash, at prices considerably below the lowest ordinary quotations.

PROVISIONS.

BEEF-Prime Mess, per tierce 86s a 92 6d; Ordinary, 75s a 83a; Mess, per bbl 46s a 52a 6d; Ordinary 40 a 45s; Prime 32 a 36s.

Ponk-Prime Messnew, per bbl 60 a 67s; old, 40 a 50: Mers 65 a 70; Prime, 45 a 50s; Bacon, 40 a 50: Mers 65 a 70: Prime, 45 a 50s; Bacon, long middles free from bone, per cwt 32 a 56; Tongurs, Ox in pickles per doz 12 a 18s; Pigs per cwt. 20 a 30s; Hams smoked, ordinary, in canvas, duty paid, per cwt 25 a 40; Cheese fine, duty paid, per cwt, 52 a 59; middling 42 a 49s; ordinary, 20 a 40s; Lard, leaf in kegs, per cwt 58 a 60s; ordinary to middling, 50 a 53; inferior and grease, 29 a 33s.

RICE-Carolina, finest quality, 18s. to 21s.

Parliament has been prorogued until the 17th of November, when it will be further adjourned until January, for the despatch of business.

Toronto Market Prices.

| ı | Nov. 6. | ■. | d. | €. | đ. |
|---|------------------------------|----|----|-------------|----|
| l | Flour, per barrel, 196 lbs | 31 | 3 | a 23 | 9 |
| Ì | Oatmeat, per barrel, 196 lbs | 20 | U | 4 21 | 3 |
| İ | Wheat, per bushel, 60 lbs | 3 | 9 | 4 4 | 4 |
| 1 | Rye, per bushel, 56 lbs | 3 | ŋ | a 3 | 4 |
| i | l Barley, per bushel, 48 lbs | 2 | 3 | a 2 | 8 |
| | Oats, per bushel, 34 lbs | 1 | 3 | 4 1 | 5 |
| | Peas, per bushel, 60 lbs | 2 | | a 2 | 6 |
| į | Potatoes, per bushel | 2 | 3 | a 3 | 0 |
| | Onions, per bushel | 3 | 9 | a 5 | () |
| 1 | Tub Butter, per ib | 0 | 6 | a 0 | 7 |
| | Fresh Batter, per lb | 0 | 71 | | 9 |
| į | Eggs, per dozen | 0 | 74 | | |
| ı | Beef, per cwt | | 6 | 4 20 | 0 |
| | Beef, per lb | Ú | | | 34 |
| i | Pork, per 100 lbs | 12 | 6 | a 21 | |
| | Hay, per ton | | 6 | a 43 | 6 |
| į | Straw, per ton | | 0 | # 30 | 0 |
| Ì | Timothy, per bushel, 60 lbs | 4 | 0 | a 6 | 0 |
| | Mutton, per lb., by the qr | 0 | 21 | • 0 | |
| ļ | Veal, per lb, by the qr | 0 | 51 | • 0 | 3 |
| | Turkies, each | | 8 | 4] | 9 |
| | Geene, each | | 6 | a 2 | 0 |
| į | Ducks, per couple | 1 | 3 | • 2 | 0 |
| | Fowle, per couple | 1 | 3 | 4 2 | 8 |
| i | Chickens, per couple | 0 | 10 | a 1 | 3 |
| | Bacon, per lb | 0 | 5 | a 0 | 6 |
| | Hama, per cwt | | 0 | a 45 | Ō |
| | Lard, per lb | 0 | 5. | # Q | 6 |

Advertising Department.

Superintendent. 144_

Toronto, Nov., 1, 1847

All the city papers to give three insertions.

To Physicians, Surgeons, &c. THREE or FOUR Licensed Medical Practi-Toroxyo Emanayy Hospital
Lach Medical Attendant—with the assistance

of a Medical Suident, as Claucal Cicrk and Assistant Dispenser—will be required to take charge of the room shall be nayable, on the first day of November next and that the finture payments 200 Pain ats; and will receive 25s, per Day for

Board of Health, Office, Toronto Oct., 25, 1847. All the City Papers to give three insertions.



Home District Mutual Fire Company

OFFICE-Corner of Alfred and Bay Street.

TNSURES Dwellings, Houses, Warehouses, Buildings in general, Merchandize, House-hold Furniture Mills Manufactories &c

John McMarrich, W. A. Baldwan, John Eistwood, James Lesshe, John Dock

DIRLCTORS William Mathers. A McMaster, J. B. Warren, B. W. Smith, Benjamin Thorne,

J. H. PRICE, Esq., President. J. RAINS, Secretary.

All Losses promptly adjusted. All Losses prompts, All Lotters by Mad must be post-paid. December 26, 1846.

1817.

Brewer, McPhail & Co.

RESPECTFULLY call the attention of the Friends, and the Public, to the extensive

STATIONERY, BOOKS, PAPER HANGINGS Drugs, Medicines, Perfumery, &c.,

which are sold at low prices, Wholesale and Re tail. Consisting in part of Stationery:

Writing Paper, Pens, Ink, Lead Pencils, Printing

Papers, and Fancy Articles. Books:

Standard Works, all the Cheap Publications School Books, Toy Books, &c. Paper Hangings:

A great variety of the latest and most fashionable patterns, selected from the English, French, and American markets.

Genuine DRUGF and MEDICINES. Perfumery, &c. &c.;

A complete Assortment. Patent Medicines Fancy Soups, &c. &c.

School Books:

All kinds in use in Camada. Now publishing, the Irish National Reading Books, authorized by the Board of Education

Fancy Articles:

Ladies' Work-Boxes. Gentlemens' Dressing Cases, Writing Desks, Pocket Books, Ladies' Companion, Toys in great variety, &c.

Book Binding :

In all its branches, together with a full Assort-ment of all articles belonging to the Trade. Cash paid for Cotton and Linen Rags, or taken

in Exchange for Goods. W Merchants or others wishing to purchase

such Goods, can feel confident of obtaining them at the lowest prices.
Catalogues of our Stock may be had at No. 46, King Street East, Toronto,

June 8th, 1347.

Mr. C. Kahn,

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

Farm for Sale.

Enternant Conval escent House,
1st November, 1847.

The undersigned begaleave to acknowledge
The receipt of the following Articles of Clothong:-from S. Workman, Esquire, for members, 2 Vests, 1 Cont. 3 Flauned Shirts, 2 Flauned Drawers and aquantity of flaud to settle his soins. There are 14th aquantity of Sloces, Stockings, &c., and he will continue to receive or send for anticles of clothong apart of the City, on receiving a note to that effect, for the showe good purposes. It is a well known fact to the public, that in consequently leaving many or these poor creatives and the modern of the control of the contro

Price considered unprecedently low. Application may be made to the editors of the Canada Farmer, or to the subscriber on the premi

HOME DISTRICT BUILDING SOCIETY.

A T A MELTING of the Board of Directors, held on the 17th instant, it was

Ordered-That the Entrance Fee and First Instalment on each Share be called in on the l'irst thereon shall be payable on the first day of each successive month.

R. C. McMULLEN. Secretary and Treasurer.

Nelson Street, House lately occupied by the " H. D. Mutual Fire Insurance Co."

Poronto, September 24, 1817. Colonist and Mirror to insert till forbid, 483

Notice.

THE BOOK, STATIONERY, PAPER-HANGING, and BINDING BUSINESS bitherio concacted by R. BREWER will, from THE BOOK, STYTIONERY. 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 BASE.

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

Drug & Medicine Business,

In all its Branches, Wholesale and Retail. This This Dranches, Wholesale and Retail. This Department will be conducted by one of the Firm, Mr. JOHN BENTLLY, 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 MePHAIL, ROBERT MePHAIL, JOHN BENTLEY.

Toronto, 9th March, 1-17.

J. Ellis, Civil Engineer.

I ORIZONTAL, Inclined, and Undulating I ORIZON TAL. Inclined, and Undulating Lanes of Raiways Sorveyed, Macadam ized and Plink Roads, Canals, Docks Harboursevery description of Drainage, Tonnels, and Bridges of Brick and Stone, Iron and Wood, both Pendent and Insistent, with correct Specifications. Sections or Model Maps and Usingates showing the true cost of construction, founded rpon Rules and Principles strictly Mathematical obtained through sixteen years experience and active practice, both as Engineer and Contracter

N.B. J. L. will give detailed Estimates, if required, to persons employing him, showing and proving that the Calculations are founded upon true principles, with Plans, Sections, or Model Maps, showing the true Cubic Measurements of Cuttings. Embankments, Grading, and S le Drams, so simplified that almost any person way keep a correct check as the work proceeds apon the quantity of work done.

Peter street. Toronto, January, 1847.

R. H. Brett.

161 KING STREET, TORONTO.

GENERAL MERCHANT-WHOLESALE

MPORTER of HEAVY HARDWAKE, Birming ham. Sheffield and Wolverhampton Sheff-Goods, Earthenware, and Glassware in Crates and Hilds.

Also.-Importer and Dealer in Teas, Sugars, Tobaccos, Fruits, Spices, Oils, Paints, Dye Wonds, Gunpowder, Shot, Window Glass, Cotton Batting, Wadding, and Caudle Wick.

Together with a select Stock of STATION-

ERY, English. French & German Fancy Goods, Combs, Beads, &c. &c. &c.

Toronto, Nov., 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 revelved Locations of Land in Western Ganada, since the 1st January, 1832, and also to parties located previous to that date, whose locations were not included in the let of unpatented lands, liable to forfeiture, published 4th of April, 1839, that unleast the claimants, or their legal representaves, establish their claims and lake out their patents within two years from this date, the land will be resumed by the Government, to be disposed of the most reasonable terms.

Terrouto March 17, 1847.

Notice to Agriculturists.

Country—The unchines are warranted to cut from 15 to 20 acres per day in a satisfactory manner, and will be sold at \$90 cash or \$100 at six months with good security—J. II., in offering the above mentioned articles to

the Public, begs to be understood to warrant every article manufactured by him, and baying had a long practical experience in the hismess, and employing none but first rate Mechanics, feels—confident that the can give general satisfaction.

All orders punctually executed when accompa-

med with cash or approved references in the City.

Warkman Brothers & Co.,

No. 36, KING STREET,

TUER FOR SALE:-60 tons English Iron. 20 tons Best Iron, 20 tons Swedes Iron, 20 tons Swedes from,
15 tons Hoop and Band Iron,
10 tons Sheet 'ron,
3 tons Plough Sheras,
2 tons Waggon Boxes,
2 tons Waggon Boxes,
4 tons Bhster Steel,
1 ton Spring Steel,
4 ton Eigle Steel,
2 tons Camp Ovens,
2 tons Bellied Pots,
5 Blacksmith's Bellows.

Blacksmith's Bellows, 60 Blacksmith Vices, 15 "Halfs warranted Anvils, 120 Sugar Kettles, 40 Potash Coolers, 10 hoxes "Pompool" Plates, 25 Box Stoves, 21 to 36 inches,

450 casks Cut Nails. 50 casks Wrought Nails

30 casks Patent Pressed Nails, 35 casks Horse Nails, 40 casks Wrought Spikes, 40 casks Coil Chain.

40 casks Coil Chain.
200 boxes Windows Glass,
2 tons Phity,
20 dozen Common Lughsh Shovels,
10 dozen Common Lughsh Shovels,
5 dozen Ir sh Spades,
2 dozen Scotch Spades,
60 dozen Steel Shovels,
2 dozen Steel Shovels,

S dozen Steel Shovels.

40 Philadelphia Mill Save, 40 Philadelphia Mill Save, 40 " Pairbanks" "Platfin & CounterScales.

JUST RICHALD, ex ships Capricorn, Baron of Bramber and Isockshire, 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.

Fairbank's Platform and Counter Scales.

THESE SCALES are constructed with great are by experienced workinen, under the supervision of the inventors. Effort is made to secure, not only perfect ACCURACY, but also the greatest STRENGTH and DURABULTY 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 m England and the United States, as well as in other countries, may now be regarded as the universol standard.

Scales for weighing Wheat, both portable and to be set in the floor, furnished with weights to weigh even bushels. For Sale by

WORKMAN BROTHERS & Co. Toronto, 22nd March, 1847.

NEW CHEAP

Clothing and Tailoring ESTABLISHMENT.

130 YONGE STREET, TORONTO.

Samuel Morphy

BEGS to inform his numerous Friends and the Public that he has commenced business in the above line at No 130 Yonge Street, Two Doors North of Queen Street, and adjoining Mr. Good's Foundry.

READY-MADE CLOTHING suitable for country use, constantly on hand and will be sold Cheap for Cash. Farmers' Cloth received and made up to order

Toronto March 17, 1847.

Boot and Shoe Store.

try the

NEW HARDWARE STORE,

No.77 Yonge Street, a 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 patronage.

Cash Penchasens will find it to their advantage to give us a call, is we calculate on clearing off our Old Stock every winter.

Toronto, 1st January, 1817.

1-12m.

THE Canada Farmer,

A SEMI-MONTHLY JOURNAL OF AGRICULTURE, INTERNAL IMPROVEMENT, LITERATURE, SCIENCE, AND GENERAL INTELLIGENCE, is published by SCHEDIAY Morning, at the Book & ery other SATURDAY Morning, at the Book & Stationery Store of R. BRLW ER, 46 King-street,

TURMS:

Single Copies, 5s.; any person remitting Subscription for Three Copies, will receive one copy gratis. All Payments to be made in Advance.

Advertisements inserted on the usual terms. All Communications to be addressed "To the Editors of the Canada Farmer, Toronto," and

It will be seen by the above that our terms are greatly reduced. If the Canada Farmer is are greatly reduced. If the Canada Farmer is not now the cheapest, neatest, best conducted, and most useful family paper published in the Province, or, indeed, upon this continent, then we are mistaken, and so are many of our brethren of the press; and it a does not soon obtain a larger circulation than any publication in the country, we shall be much disappointed. A last of authorized Agents will be published as soon as appointed, of whom the Paper can be obtained, in different parts of the country.

AGENTS FOR "THE CANADA FARMER."

In addition to the agents whose names are given before, marly a landred have lately been appointed. We may give their names on some

James Wilson, Wm. A. Stephens, and Thos. C. Hagerman, (Travelling Agents.)

Local Agents.

Windsor-Mr. James A. H. Gerrie, Bookseller. Oshaica—Mr. Gavin Burns, Postmaster.
Boicmanule—Mr. James McFeeters, Merchant. Nowcastlet—Mr. Myron Moses, Innkeeper.
Port Hope—Mr. Alexander Fisher, Merchant.
Bloomfield—Dr. J. W. Howe.
Peterboro—Mr. Robert Nichols, Merchant. Peterboro—Mr. Robert Nichols, Merchant.
Cobourg—Mr. John Field, Merchant.
Grafton—Mr. John Taylor, Postmaster.
Colborne—Mr. Albert Yerngton, Postmaster.
Brighton—Mr. J. Lockwood, Postmaster.
Rirer Trent—M.. Alexander Comming.
Belleville—Mr. A. Menzies, Postmaster.
Shannonville, Victoria District—Mr. Hiram Holdon, Postmaster.

den, Postmaster. Napanee, Midland District-Mr. I. A. Dunham, Napanee, Midland District—Mr. E. A. Dunham,
Merchant.
Kingston—Messrs, Oliphant & Watt, Merchants.
Gunanoque—J. Lewis Macdonald, Esq.
Brockville—Mr. Henry Jones, Postmaster.
Merrickville—Mr E. H. Whitmarsh, Postmaster.
Kempteille—Mr Wm. H. Bottum, Postmaster.
Smith's Falls—Mr. Robinson Harper, Merchant.
Perth—Mr. James Allan Postmaster.
Battorn—Contini Bolker, Postmaster. Bytoen—Cuptain Baker, Postmuster, Markham—Mr. David Reesor, Vaughan—Mr. Thomas Noble, Merchant. York—Mr. Daniel McMullen, Farmer. Reach—Mr. A. Hurd, Postmaster.

Chinguacousy—Mr. P. Howland, Postmaster.

Bronte—Mr. B. Hagaman.

Guelph—John Smith, Esq.

Paterno—H. M. Switzer.

Paterno-H. M. Switzer.
Thorold, and parts adjucent—J. J. Ball. Farmer.
St. George, G. D.—Samuel Stanton, Esq.
London—Thomas Craig, Brockville.
Broodstock—H. C. Barwick, Esq.
Port Dover—James Riddell, Merchant
Ancaster (Jersey Settlement)—A. Ifendershot
blacksmith
Burford—W. M. Whitehead, P. M.
Delaviore—John Druke, P. M.

Delucare—John Drake, P.M. Ingersol, Oxford—Darius Doty, Esq. Haldimand—John Loyde, P.M.

A travelling Agent will proceed Eastward in a few days, to solicit subscribers for the