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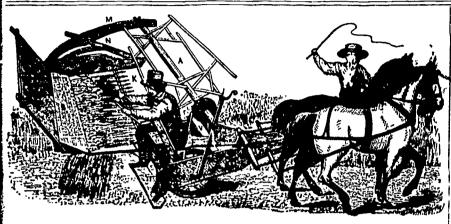
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Vol. I.

# FARMER.

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

TORONTO, SATURDAY, MAY 22, 1847.



# BELL'S PREMIUM "HORSE REAPER."

The above is a representation of one of the most useful of modern inventions. In this country, where labour is, and for some time must continue dear, labour-saving machines are objects of great importance to the Agriculturist. There is no period of the year when the farmer, is more harrassed and put about for want of help than the time of harvest. Everybody just then requires an unusual number of hands, and the demand becomes immediately greater than the supply. The highest prices must be paid for inferior workmen, and the work is either done hadly, or not done at the proper time. Loss is thus sustained, sometimes of considerable mount. Now, if a machine could be made, which with the complement of hands already on the spot would reap 15 or 20 acres in a day, two or three farmers, by joining together in its purchase, would probably save the price (if not too high) in one year, besides getting rid of much anxiety and annoyance. The machine made by Mr. Bell is, in our opinion, just the thing that is wanted. The principle has been fully tested in Canada, we believe, as well as the United States, and has been found to work well. As to the workmanship of the article, Mr. Bell has made soveral substantial improvements on the American pattern, and affords the "Reapers" at a lower price notwithstanding. Those who have fields tolerably clear of stumps, and pretty smooth, will do well to call upon Mr. Bell, and examine for themselves The price is 90 dollars cash, and 100 dollars at six months, with proper security. (See adverisement.) There is a slight error in the above cut. The wheat is shown to be surned round, with the heads from the machine, and across the horses' path. would cause more labour for the raker, and is unnecessary. It may be raked off as it falls.

From the N. Y. Farmer and Mechanic

FAMILIAR SCIENCE IN FARMING.

By John B. Newman, M. D., Editor of the Illustrated Flora.

In the fifth verse of the second chapter of lenesis we are told that God created every plant of the field before it grew. Most probably after the life power was formed, an image of each vegetable was made from the dust and united with it, thus giving the plant a visible existence.

By a reference to many passages of the Holy Scriptures it will be found that the life power is used as a synonym for the soul; and science also confirms the idea that both are identical. A plant independent of its nutritive functions, manifests but a small share of instinct, so small indeed, that it seems at first sight hardly possible to conceive a near relationship existing between a cabbage and an elephant; yet the life power of both is the same in kind, and wants but the nervous organization of the beast to display similar phonomena. To prevent misunderstanding, it is proper to mention in this place, that all animals except man are possessed of soul (life power) and matter; man is composed of spirit, soul and matter, for when the Lord made him, he breathed into him the breath of lives, (not life, the Hebrew word is used in the plural form), one life, (the soul) beastly, and related to earth; the other, (the spirit) godlike, and related to heaven. Those who would wish to pursue this subject further, will find it fully explained in a work I am preparing for publication, entitled Man as BEAST and AMORE.

I am thus particular in defining the life power, because a knowledge of its laws, will enable us to solve all the phenomena it presents; and without that knowledge it would be impossible to obtain any conclusions worthy

Seeds are the simplest forms of the union of the life power with matter; a seed generally consists of envelopes (integuments) albumen and embryo. When placed in a warm situation and covered in the earth, the life power of the seed is excited to action, a little stalk is shot upwards by the embryo, which pierces the envelopes and rises to the surface of the earth, and at the same time a root runs below to gather nourishment; to provide nutriment until the roots are able to supply it is the object of the albamen, which is principally composed of starch. The extremities of the branches are formed of leech-like mouths, (spongioles) and these as soon as prepared, directly begin sucking up the elementary atoms: they not only imbibe the food, but act the part of stemachs in instantly digesting it, for even the chemists tell us, that once inside the spongioles, the fluid is of a homogeneous nature, and entirely different from what it was before its sudden combination.

The sap requires a supply of carbonic acid the plants. To effect this it must pass through the leaves, to which it is carried by an ascending series of vessels; arrived at those organs the desired result takes place, and it then bemore than a simple expansion of the stem, a contrivance for gaining a greater extent of surface on which to spread the chlorophylic or green coloring matter of plants, for it is in this coloring matter that the power of expelling oxygen and absorbing carbon resides.-Some plants as the cactus have no leaves, the green surface of the stem answering these purposes. Light is the stimulus which enables the chlorophylle to perform its offices.

Being now thoroughly purified and com- the liquid excrement may be lost, for pounded, the proper juice goes through the vegetable system and fornishes nutriment to every part. It meets in its course with little deputations of the life power, called with their instruments of aution, glands, and these secrete the salts, poisons and essential oils. The refuse of the proper fuice is thrown off by the descending series of vessels at the roots; this plant, and its accumulation explains the reafrituring up and decomposing feeal matter-This is the true reason why there is a necessity for the rotation of crops.

#### PRESERVATION AND APPLICATION OF MANURES.

We take the following observations, on subject of vital importance to the farmer, from the American Agriculturist .-

The distinguished chemist, Boussingault, "estimates the solid and bound excrements of a man at 618 pounds per annum, containing 18 pounds of nitrogen-a quantity sufficient to grow 536 pounds of wheat." This would be equivalent to three barrels of flour Now, supposing there are only ten millions of adults, producing each introgen sufficient for three barrels of flour; and ten indhous more producing only half that quantity, we should have of this indispensable ingredient. enough to produce, annually, forty-five millions of barrels of flour, being more than two barrels for each person, large and small. If the alkaltes, and other morganic elements, which are shown above to be so essential to the preservation of the fertility of our soil, should exist, only to half the extent of introgen in human excrements, the advantages of saving and applying them to our soil would be unspeakably great. In suggesting a plan, by which such unmense benefits can be secured to the country, and which will for ever prevent our soil from deteriorating, and even reinstate that which has been, in a great degree, exhausted by improvident cultivation, I cannot do better than copy from the Report of the Commissioner of Patents, for the present year, the following extract, accompanied with the suggestion, that this plan, instead of being confined to our large cines, ought to be extended to every can be ascertained within a more trifle. town, village, hamlet, and private residence. In Under the head CATTLE we have already a word, that it should be so extensive as to given a useful table on this subject; but the save all the human excrements, solid and liquid, nunexed rules will be found of survice. Take excepting, of course, those which are deposited a string, put it round the beast, standing on cultivated fields by work hands, during their daily avocations.

"We will make a simple suggestion to the public, without charge. Insert under the aperture of a privy, drawers made of wood, iron, or metal, two feet wide, two feet deep, and any required length, with handles to each end, so that they can be as easily drawn up and handled as those of a dask. Put into these drawers peat, mixed with a little plaster of Paris, or footrule, as before, which is the length, and charcoal-dust, mixed with plaster, to the depth of six inches, or a foot. Thus arranged, not the alightest unpleasant smell would arise from avery week or fortuely care before it is fitted to supply the necessities of with light boxes in them, should call at the house, and the drawers be emptied into them. In this way the yards would be purified of a shocking nuisance, and vast quantities of poudrette could be weekly manufactured, for which comes the proper juice. A leaf is nothing any company could well afford to pay the city of New York \$100,000 per annum."

For this highly useful suggestion the Commissioner of Patents gives credit to the American Agriculturist, Volumne 4th, page 116.

Where peat is not to be had, charcoal-dust and plaster of Paris, or either of them, may, perhaps, answer the purpose of mixing the ammonia of the excrements. But this is a matter, that may soon be ascertained by experience, and the aid; of a good chemist. The drawers under the privies ing less than 3 in girth, makes 44 lbs.; must, of course, be water-tight, so that no part of which, divided by 14, to bring it to stones, is

the most valuable parts of them.

If the great city of New York should take the lead, in the introduction of wiractice which is destined to be of such immense benefit to the country, she will be entitled to the gratitude of the whole nation She will, at the same time that she is rendering an imminerise service to the agricultural interest, free herself from a most horrid nuisance, under which, in common with all excrement is indigestible in all cases by the other crowded cities, she is daily suffering the most serious cyils. Next to the manures, which son why soil deteriorates by the continual may be derived from human excrements, are, growing in it of one species and the necessity aperhaps, ashes. These commit not only alkahes in large quantities, but also most of the immeral elements, which enter into the composition of every description of plants. These are the very substances, which, as Liebig has abundantly shown, are by far the most important ingredients in all good soil. Other elements, such as oxygen, hydrogen, carbon, and nitrogen, are necessary, but these, except the latter, ore abundantly supplied from the atmosphere; and it has been shown above, that the deficiency in the supply of nitrogen from the atmosphere can be more than compensated by a careful saving of human excrements, and the manufacture of them into poudrette. But the supplying of our soil with the alkalies, and other mineral elements, which exist so abundantly in the ashes of all kinds of wood and plants, is an object of great importance, and one which demands the utmost care and circumspection. Not only should the ashes be saved, which result from the wood consumed as fuel, but also all that result from the burning of logs, brush, &c , in the plantations and clearing up woodland pastures. If not convenient to haul and spread, these ashes immediately upon fields, which require to be furnished with alkalies and other nuneral elements, they should be placed under cover, otherwise the rains, snows, and dews will dissolve the alkalies, combined with the ashes, and thus these highly useful substances will be carried down into the earth and all lost to the purposes of agriculture.

## METHOD OF ASCERTAINING THE WEIGHT OF CATTLE WHILE LIVING.

This is of the utmost utility for all those who are not experienced judges by the eye, and, by the following directions, the weight square, just behind the shoulder blade; measure on a foot-rule the feet and inches the animal is in circumference, this is called the girth; then with the string measure from the bone of the tail, which plumbs the line with the hinder part of the buttock; direct the line along the back to the fore-part of the shoulder blade; take the dimensions of the work the figures in the following manner:-Girth of the bullock, 6 feet 4 inches; length, 5 feet 3 inches; which, multiplied together, make 31 square superficial feet; that again, multiplied by 23 (the number of pounds allowed to each superficial foot of all cattle measuring less than 7 and more than 5 feet in girth), makes 713 lbs.; and allowing 14 lbs. to the stone, is 50 stone 13 lbs.; and where the animal measures less than 9 and more than 7 feet in girth, 31 is the number of pounds to each foot. Again, supposing a pig or any small beast should measure two feet in girth, and two feet along the back, which multiplied together, make 4 square feet, that multiplied by 11, the number of pounds allowed for each square foot of cattle measurand 3 feet 9 inches in length, which multipli-ed together makes 164 square feet; that 25, bran, 20; blue grass seed, 14; dried peaches, multiplied by 16, the number of pounds 33, dried apples, 24; stone coal, 70." allowed to all cattle measuring less than five ! A Good and Durante Paste.-Dissolve a feet, and more than 3 in girth, makes 261 when cold and add as much flour as will make i calves, or hogs, may be as exactly taken this months, and when dry, may be softened with way as it is at all necessary for any computation or valination of stock, and will answer exactly to the four quarters, sinking the offal, and which every man who can get even a bit of chalk may easily perform. A deduction must be made for a half-fatted beast of 1 stone in 20 from that of a fat one, and for a cow that has had calves, 1 stone must be allowed, and another for not being properly fat.

#### FOUNDER.

other apparent disease, causes the horse to ing the Canada Farmer we were perfectly droop and lose his appetite. The foundered horse is shrunken and hollow-his hair is rough-his discharges are black and dry. It will be necessary to give him repeated injections—make than drink large quantities of firm hold it had secured moon the middle, by warm water-feed him on moistened bran. with a little hay-and awaken his appetite by [ all possible means. He should be exercised. caused by extreme fatigue, and it may be numerous to mention," as the advertisethen necessary to bleed, especially if it is accompanied by fever. A founder sometimes falls upon the feet and legs, principally upon Journal as an obstacle in our way, we were the verticular tissue of the foot; it runs its for some time of opinion that it would be the distinctions between the neute and the taste for agricultural reading; had convinced chronic forms of the disease. The acute is the farmers generally of the great benefit to produces a deposition of watery or spongy terests exclusively, and of the propriety of matter, between the hoof and the fleshy part supporting such in preference to mercantile of the foot. The chronic founder causes the hoof to grow out of shape in a variety of or political journals; had, in a word, " preforms. The animal attacked by this form of pared the soil," so that we would have little difficulty—is unwilling to move—and places ever, to our great discouragement, that we has feet so as to rest upon his heels. The were grievously mistaken. One of our affected hoofs are very hot, and the muscles ingents wrote us the other day that he saw no of the leg tremble.

too long inactivity in the stable-resting too try for the present, and he gave us the reason, much upon one foot, when the other has "that the farmers in that viennity had bemuch grain—bad shoeing—a sudden cold—come so disgusted with the British Ameri-drinking too much cold water, when he is can Cultivator, that there was no use in ask-warm, are the most common and the most common are the most com warm, are the most common causes of this ing them to subscribe for an agricultural thin hoofs, and consequently tender feet. are proof of the extent of the feeling, he said that the most hable to it. The shoes should be removed—the stall thickly littered with straw a year or two ago, 280 copies of the Britannian of the stall thickly littered with straw. and the horse put upon a strict diet. He tish American Cultivator came to that office, should be bled-his legs bathed in cold water (the is a postmaster) but that this year there and poultices, made of soot mixed up with vinegar, or clay mixed up with water in which green vitriol has been dissolved—scarifications round the top of the hoof-stimulating fric tions to the legs-and purgatives, will furnish the proper treatment in these cases when re-cent. In an old and chronic case, the hoof should be pared or rasped, wherever it is thickened, and softening poultices, as those importance gained in the future, by finding of flax-seed, applied; and the horse should fault with the "management" of that paper, it is difficult to effect a cure.

[Note.-Recently, the operation of cutting the nerve which gives sensation to the foot, has come into practice. It is doubtful, however, whether this is advisable in all cases of tounder. j-[Manual of Vet. Medicine.

IMPROVEMENT OF CLAYEY AND SANDY SOILS Old Boussingault knows a thing or two, (says Abraham South in the Western Cultivator.) but he has not satisfied practical farmers how he might supply the defect of clay in sandy soil, and sand supply the elect of cay in sandy sol, and sand in clayey sol. May I venture to him inhomespun think, might as well have been omitted think, might as well have been omitted vegetable matters that are quickly decomposed, the article upon which these Editors have seen as ripe through, the straw, &c. It is also made assertions so groundless, and, perhaps, well known that the defect in sandy solls is, printing the straw of cipally, that the land lacks adhesion, and is too quick a conductor of heat and air, while the reverse is the detect in clay. Hence the remedy is indicated. With a clay soil, ploy in hard woody substances, as ripe timothy, and plow in the fall. On a soil too sandy, plow under green manure, and plow at the time that the vegetable matter is full of sap, say clover in blossom, or oats just beginning to head. Chemists can tell us why and wherefore, and a practical farmer may see the effect if he will try

WEIGHT OF GARRS-The following we clip

5 stones 2 lbs. Again, suppose a culf, sheep, bushel, 60; beans, 60; clover seed, 60; potatoes &c., should measure 4 feet 6 inches in girth, buckwheat seed, 52; salt, 50; barley, 48; castor

lbs.; which, divided by 14, to bring it to the consistence of cream; then strew on as much stones, is 18 stones 12 lbs. The dimensions powdered resin as will stand on a shilling, and of the girth and length of black cattle, sheep, storing all the time. It will keep for twelve

#### CANADA FARMER.

May 22, 1847.

# THE BRITISH AMERICAN CULTIVATOR.

"Two of a trade can never agree" is a popular maxim which we were foolish en-A spasmodic contraction of the muscles ough to think we would be able to falsify and viscera of the belly, which, without any When we conceived the project of publishaware of the existence of the British America can Cultivator; of the talent of its editor firm hold it had secured upon the public, by means of what may be called a " Church and State connexion" with the Agricultural but not fatigued. A founder is sometimes Societies, and of various other matters, " too ments say; but, instead of regarding this course in a shorter or a longer time-hence (much to our advantage); that it had created a always accompanied by fever, and sometimes the farmers generally of the great benefit to causes the loss of the hoof. It frequently be derived from a journal devoted to their inthe disease, has his legs stiff-he walks with to do but cast in the seed! We find, howtagents wrote us the other day that he saw no Hard driving, on a rough or frozen road- prospect of success in that part of the coun-Those horses that have naturally paper, the very name was enough!" As a were not 20 copies! The same difficulty has met us in other places, so that our readers will perceive "a change" has, of necessity, "come o'er the spirit of our dream," but still we have not come to the conclusion that what is past can be mended, or any thing of importance gained in the future, by finding take bitters and strengthening medicines in- for "attacking" the Editor thereof; and we wardly-but if it has been of long standing, are certainly unconscious of having done so. We saw plainly that the evil would cure itself; that though people might swallow "trash and nonsense" for a while, they would not always do so. especially if something better could be had. We were therefore not a little surprised to find such sentences as the following in the number for the present month:-

> "In the March number they put forth strictures on our management which, we

" In the April number of the above paper the learned Editors have thought proper to make three most unwarrantable attacks upon us, and, indeed, their short career has been pointedly marked w. a factious spirit of apposition to the conductor of this Magazinc."

Now, really it is too had for this "dog

for the remarks which have so offended and irritated his "dogship" appeared in our number of the 12th of March, and the above "articles" did not see the light until two months ofterwards. Our readers will recollect (and if any do not, we beg they will turn, when they have leisure, to our " leader' in the agricultural department of that number, headed "Maple Sugm,") that our allusions to the Cultivator were anything but ungentlemanly, and that we said not one word about his "management." quoted some statements of his-said "we entirely dissented from them," and gave one or two reasons for doing so. Is the Editor so thin-skinned that he must fly into a passion because others venture to differ from his opinides, and to declare that his conclusions are wholesale and his premises unsound?" But what is the use of arguing with a man who does not appear to know what he intends to prove, nor the meaning of his own language.

What was the Cultivator endcavouring to the best of his ability no doubt, to show in the article from which we quoted ! The advantage of producing our sugar at home instead of importing it. How did he go to work to show this. By bringing forward facts to prove that we can *produce* it cheaper than we can import it ! no such thing. " We are of opinion that sugar can be" &c., is all that bears upon that point of the question. But as to the value of the sugar imported, compared with that of the wheat and flour exported by us, a thing entirely collateral to the main question, he makes an abundance of remark. Now, "we are of opinion" that it makes very little difference as to the principle involved, whether we consume one thousand, or one hundred thousand pounds worth of unported sugar every year. To put the principle we allude to, in the plainest possible shape, for we fear that the Cultivator's acquaintance with the principles of political economy is such as to require plainess, let us suppose that a farmer, who subscribes to the Cultivator, and has implicit confidence in its doctrines, takes it into his head to make his own sugar; he has no maple trees, or if he has, he finds that the sap, as many found this spring, "wont run". He plants the sugar beet, weeds, hoes, and pulls them: scrapes and presses them; boils and purifies the juice, and at last gets it into sugar. He makes 500 lbs., and upon counting the cost he finds it to amount to 1s. per pound. With the same labour and expense he could have raised 200 bushels of wheat more than he did raise, in consequence of his time being occupied with the sugar. This would have brought him \$200, with which he could have purchased the same amount of sugar and had \$150 to spare! Has he gained or lost by the "home production." Let the Cultivator answer. Bear in mind, we do not assert that our figures would be borne out by ject of discussion; and if he will look experiment, we only suppose a case. We believe that the farmer would lose more than we have supposed, by such an operation. But if he loses at all the principle applies. and if it applies to the individual, it will apply to communities, and to nations. We went so far as to recommend experiments to "test the feasibility of making sugar on a large scale from the products of Canadian soil," and we laid down the " principle" just illustrated, in these words, "It is good policy to produce at home as many of the articles of home consumption as we can, provided we do not spend more time and incur more expense, than if applied to some other object would enable us to purchase from others." We now retract even the above recommendation, for upon investigation, we find that a sufficient number of experiments have already been made in the Northern States, in a climate more favourable than ours, to show that it is utterly impracticable to make sugar from the beet with profit.

The great burden of the Cultivator's article in the manger" to show his teeth so is upon the question whether for the past ten we only refer to it to show that a write which the several grains and other articles therein been some time thinking about it, we admit, more than our exports of wheat and flour and Canada for the "British colonies," (o

would pay for! Did we ever ruse such a question? Not at all. We made no reference to the past because be made none. We quoted hisown language, and quoted it fairly. We will give another extract from the same article: "If Canada could by any process place herself in a position to be independent of other countries for sugar," " so far as the actual wealth of the country is concerned the gain would be equal to the surplus products of wheat," Does not this look to the future? is there mything retrospective in it? The same idea is repeated six or seven times in about half a column, but not a word does be say about the past. It was not to make provision for years gone by, but for the future, that his advice was given. The present and the fature tenses were used, and no others. We defied his statement with regard to what "would" be "gamed," and we gave as proof of the absurdity of this conclusion the returns of a single port for the last year, leaving every reader to judge, which every reader is capable of doing, whether our exports of wheat will be likely to diminish. We showed a balance of £200,000 in our favour at the port of Toronto for the last year, and we wished that to be placed alongside of his statement that " as important as is the export of wheat from Canada, still that portion of this article that is really the growth of Canada would fall short in a series of ten or fifteen years of supplying the country with sugar." But what will the reader think of the truth and honesty of this wonderful writer and compiler of "schedules." when to effect his paltry purpose he will belie hunself and misquote his own words ! "Our statement was," says he. and we firmly adhere to it, notwithstanding the would-be-thunder attempted to be burled (!) at us . that in a series of ten or fifteen years the whent which we have export ed would fall short of supplying this country with sugar." No such thing. Such a statement is not contained in the whole vissue of nonsense which composes his "article." And how does the reader suppose he undertakes to prove this last assertion? By showing "that there was imported into Great Britain of wheat from the British Colonies! in '36, '37, and '38, none; in '39, twentyseven quarters; and in '40, 8,192 quarters and that there was imported from Great Britain into these colonies" during the same time 1,857,936 bushels, " and we have," says this Solomon of wisdom, "1,792,184 bushels, being the excess of our imports over exports-so that in this series of years we had no surplus wheat to pay for sugar." Was there ever before an Editor who could find money to pay for printing, and people to read such nonsense as this? Will not the man see that it is not the " imports of Great Britmin' that are in question, nor the exports of the "British colonies"? The exports and imports of Canada are the sub into our seventh number, he will find in a article headed "Our Surplus Grain" a talular statement of the exports by sea from Montreal and Quebec for the last nine years. This table is taken, we believe, from an annual circular, published by Dougal &Glass, Montreal, merchants. Their statistics being obtained from the proper source, may be relied upon. In 1838, when, as he make his readers believe, we exported none, he will find that we exported 59,204 barrels of flour; and in 1840, when he says we only exported 8.19? quarters, we exported 315.61 barrels of flour, and 142,059 bushels of wheat. Due ng the last 9 years, exclusive of '47, it appears that we have sent down the St. Lawrence nearly sixteen millions of bushels (ground and ung und). A small portion of this may have been be growth of the Western States. Whether the sugar we have imported during this "series of years" cost us 14 or 15 millions of dollars we leave to the Cultivator and his "sched ules" to prove. But this is not the question

which we believe there are upwards of 60) must be well adapted to enlighten the agricultural public. We would advise him the next time he dubbles in statistics, not to go to the British parliamentary returns to ascertain the exports of Canada; to recollect that there are more "British colonies" than and the mass allowed to stand for twenty-four Canada, and family to get some one to hours, and then well washed, the milk was translate this maxim, in sufor office erepidam, and treasure it up in his memory.

The answer to his insults will be found in another place. We (the agricultural Editor) did not see the remarks of our colabourer (who displays rather too much of the John Bull) till they were in type, or we should have advised their omission; that we shall not, for some time, take up so much space with so disagreeable at subject.

#### BUTTER.

It is a subject of universal complaint that | there is no system, or uniformity, in the mode of making butter in this country, and that, therefore, the quality of what is sent to market is generally bad. To talk of exporting butter to Fugland or my where else, until we adopt some general system, and produce a better article, is nonsease. What little we have exported has been sold at the lowest prices, and used for at using cart wheels. &c.

It appears to us that if the township Agricultural Societies would direct their attention to this subject, and endeavour to establish 55%, which is about the ordinary temperature of some uniformity among the farmers in the a good spring or milk-house. Experiments instimode of making, salting, packing, &c. &c., best temperature at which to commence the opewe might soon boast of being able to produce ration of churning, and that at no time during the butter on a large scale, and of a kind that will, operation ought it to exceed 65 ?. If the tempera bear comparison with that of our neighbours in the markets "beyond seas," and which will than 50 °, the batter will not "come." After the command the highest prices.

from that standard work, the Farmer's En- in the water. The temperature must be raised cyclopyedm, and will be read, we trust, with to or above 70° before the butter can be sepainterest and profit :-

temperature at which butter may be best pro-] boiling water after it has begun to be churned Allen, it appeared that cream should not be charming. In the experiment when the temperwas in the greatest proportion to the quantity of cream used; and as the temperature was raised, the proportional quantity of butter diminished; while, in the last experiment, when the mean temperature of the cream had been raised to 70% not only was the quantity of butter duminshed, but in quality it was found to be very inferior, both with regard to taste and appearance. That the lowest possible temperature should be sought in churming, appears likewise from another result of these experiments, the specific gravity of the charned milk having been found to dominish as the temperature of the cream was increased; thus showing, that at the lower temperature, the butter, which is composed of the lighter parts of the cream, is more completely collected than at the higher temperature, in which the churned milk is of greater specific gravity. The conclusion to which they came therefore was, that the most proper temperature at which to commence the operation of churning butter is found 50° to 55°, and that at no time of the operation ought it to exceed 65°; while, on the contrary, if the the point of contact between the air and the cream at any time should be under 50 ° in temperature, the labour will be much increased, and carbonic acid being attracted, a carbonate of without any proportional advantage being ob- lead (white lead) is formed, and communicates a tained; and a temperature of a higher degree poisonous property to the cream. Painters' than 65° will be injurious as well to the quality colic has been thus sometimes communicated to as the quantity of the butter. (Trans. High, dairymaids. Zinc, er iron tinned, is preferable Soc. vol. i. p. 394) One of these experiments to lead for dairy vessels. The same objection it may be well o abridge :- 15 gallons of cream, at the temperature of 50° were churned; each gallon (equal to holding 8 lbs. 4 oz. of water) weighed 8 lbs. 4 oz.; by churning for two hours the temperature of the cream rose to 56°; and same remark applies to the milk-pails, &c.) more at the end of the churning it was 600. The butter obtained weighed 204 the avoirdupois or mearly 2 lbs, for each gullon of cream : the butter ventilated by wire-gauze windows, and protected was firm, rich, and pleasant. A gallon of the by either trees or buildings from the heat of the dog, or turnspit, working on a wheel; a plan churned milk weighed 8 lbs. 9 oz.

quantity of butter from a given quantity of cream is obtained at 60°, and the best quality at 55° in the churn just before the butter came out; when the heat exceeded 657, no washing could detach the milk from the butter without the aid of salt: but when a quantity of salt was wrought well into separated. (Trans. High. Soc. vol. i. p. 198)

The method of making the best butter all over the dairy district of Scotland, is thus described by Mr Aiton (Quart. Jour. Agr. vol. v. p. 351):-The milk, when drawn from the cow, is placed from six to twelve hours in coolers, the same as when set aside to cast up its cream; but this is merely to let the milk cool; and whenever it is divested of as natural heat, the whole meal of tion of the butter from the cream, a considerable not because they are undeserved, but out of wilk is empted from the coolers into a stand vat degree of agitation is necessary, varying with the respect to our readers. We promise them or tub sufficient to contain the whole. If the vat cold before the former meal of milk has begun to not only acousticd, but until it has been formed into a coagulum (or lapper, in dary language). It is now ready to be churned; and provided the lapper is not broken (which makes it ferment). it may remain, without injury, unchurned for some days.

Mdk prepared in this way is churned in upright or plunge charms, of a size to suit the magintude of the dairy. Where only, a few cows are kept. the churns will hold about 100 quarts, from 200 to 240 quarts, and some still more. These large churus are on some large farms moved by machinery of various constructions, but in most dairy farms, churns of 200 quarts are wrought by handlabour only After the clotted milk is put into the churn, as much hot water is poured amongst the unlk as to raise the temperature from 50 ° or tuted for the purpose have determined this as the ture be higher, it will be attended with injury to the quality and quantity of the butter. If lower butter has formed, warm water may be gradually The following excellent article is taken 75°, one person agitating while another throws rated from the milk; and this cannot be accom-"From some valuable experiments on the plished in any way so well as by pouring in cured from cream by Dr. John Barclay and Mr. If the milk is too cold when churning it swells, has a pale white colour, throws upon the surface kept at a high temperature in the process of many air bubbles, and emits a rattling noise; the time of churning is from 21 to 23 hours; the ature was lowest, the quantity of butter obtained milk being of ordinary quality, 24 pints imperial yield 24 ounces of butter.

In the making of butter, care and cleanliness are requisite. The cows should be milked in the cool of the morning and evening: they should be driven very gently, and if brought to the milkingplace some little time previously, it will be all he better. In some countries they milk them in their pastures, a practice commonly followed in mountamous districts, and where they are distant from the dairy. The tests of the cow should be washed often with water, and the dairy floors (which are best of brick) and all the dairy utensils cannot be too frequently washed, not only because dirt is exceedingly noxious to the production of good butter, but from the coolness which it produces in the dairy.

When the milk is brought into the dairy, it is strained through a sieve, to remove any mechanically diffused matters, and then placed in shallow pans and coolers, or leaden troughs. Some are made of iron tinned, others of brass. There is however an objection to leaden troughs, for at cream, the latter aids the oxidizement of the lead; applies to brass as to lead. Metal ones are regarded as the best, from their rapidity of cooling in summer, and from their being more easily warmed in the winter; they are besides (and the readily and completely cleaned than those of wood or earthenware. The dairy should be well

separated from the milk and charned, produces a very delicate butter. It is commonly left, however, for twenty-four hours, and then skimmed off and deposited in an earthen vessel. In the dairies of the usual size, the cream collected is charned every two days, and the formation of the butter is found to be materially accelerated t v the cream acquiring a slight actuaty; indeed, it has been sometimes contended that, without the presence of an acid, butter cannot be made. Lactic acid indeed is always present in buttermilk; an acid quality is even, m some cases, imparted to it by the dairywomen, who add a small quantity of cinegar or leman-juice; this, however, does not improve the flavour of the butter, and it injures it considerably for saling. To effect the separaelectrical state of the atmosphere, and other ciris large, and a second meal of milk has become constances. Of the influence of electricity no one will doubt who has witnessed the effect of a acadify, the second may be turned into the first. Hunder-storm on a dairy of milk. The aguation It is then placed in a vat. covered over, and or churning is produced by various sized churns, allowed to remain undisturbed, till the milk has the most common shaped of which is the upright wooden churn, with an upright plunger; others are made of barrels, turning on an axle by means of a common winch; some are made like cradles. and rock much in the same manner: these are worked chiefly by hand. But it is sometimes done by hotse power, and very commonly now in Cheshire by small purtable high-pressure steam engines; these last might easily be made to cut chaff, bruse corn for stock, crush bones, and a variety of other useful purposes.

> In the course of a period varying from one hour to several hours, according to circumstances. the butter begins to make its appearance in small lumps or kernels, which are gradually increased in number as the charming proceeds; these are collected and placed in a shallow wooden vessel, or washing-tub, and when all the butter is 'come' or extracted, butle else remains but the butternilk The butter placed in the washing-tub is worked by the hand into a mass, the butternulk squeezed out, and the butter washed in water, an operation which, when it is intended for keeping, cannot be too carefully performed; and if the person who works it has not a very cool hand, it should be kept as cool as possible by frequent ablutions in cold water. A large portion of the butter made at a distance from large towns is salted and put mto casks or firkins, which weigh about 56 lbs. about 3 or 4 lbs, of salt are required for this purpose, which should be of the finest and purest description, totally free from the bitter deliquescing salts which commonly abound in that made by artificial heat from sea water. The casks also should be made of clean wood, and before the butter is placed in them they should be well washed with hot brine. "If," says a writer in the Penny Cyclopadia, 'there is not a sufficient quantity to fill the cask at once, the surface is made smooth, some salt is put over it, and a cloth is pressed close upon it to exclude the air. When the remainder is added at the next churning, the cloth is taken off, and the salt which had been put on the surface is carefully removed with a spoon. The surface is then made rough with a small wooden spade, and left so, and the newly salted butter is added, and incorporated completely- This prevents a streak which would otherwise appear at the place where the two portions joined. When the cask is full, some salt is put over it, and the head is put on If the butter is well freed from all the buttermilk, and the salt mixed with it quite dry, it will not shrink in the cask, and it will keep us flavour for a long time.' Dr. Anderson recommended for preserving butter a composition of salt 2 parts, saltpetre I part, sugar I part; I oz. of this mixture to 16 oz. of butter. It seems that butter thus treated will keep sweet for a lengthened period; but that for the first fortught it does not taste

> In Devonshire the method of making butter is peculiar to the county. The milk is placed in tin or earthen pans, and twelve hours after milking, these pans, each holding about eleven or twelve quarts, are placed on an iron plate over a small furnace the milk is not boiled, but heated till a thick scum arises to the surface; if, when a small portion of this is removed, hubbles appear, the milk is removed, and suffered to cool. The thick part is then taken off the surface, and this is the clouted cream of Devoushire, which is known all over England. By a gentle agitation this clouted cream is speedily converted into butter.

In Holland they churn the cream and milk together, after it has been kept sufficiently long for a slight acidity to appear. They churn, it seems, cometimes with a horse, sometimes by a sun. In twelve hours the finest portion of the which I think might be well adopted, in many renovation from the seed. This inference

Mr. J. Ballantyne found that the greatest cream has risen to the surface, which, if then cases, in England, to the saving of the labour of many a poor dairy-maid. In the large dairies, however, about Dixmunde and Farnes, the cream only is churned three times a week .-(Flemish Husb. p. 61.)

> On an average, four gallons of milk produces a pound of butter, and a good cow should produce six pounds of butter per week in summer, and three pounds in winter. Of English butter that of Cambridge and Epping is most celebrated. But the consumption in England is much greater than the farmers can supply: very large quantities are in consequence annually imported into England; thus, in 1825, the import from Ireland amounted to 422,883 cwts, and from foreign countries 159,332 cwis.; this last in 1835 was 134,346 cwts., of which 106,346 cwts came from Holland. (M'Culloch's Com. Dict.; Trans. High. Soc.; Quart. Journ. Agr.)

#### THE POTATOE QUESTION.

The facts, and reasonings upon them, contamed in the following extract from the proceedmgs of the New York Farmer's Club, are, in our opinion, quite conclusive as to the cause of this mysterious malady, about which there has been so much "unprofitable speculation." The conclusions are such as we have already drawn ourselves, and from the clear and able manner in which they are herein set forth, will, we think, challenge the assent of our readers:-

To consider the potatoe disease as one of those inexplicable visitations of Providence, which no human skill can avert, and, therefore, to give up all further enquiry, seems to me a conclusion unworthy the intelligence and the enterprise of the present age. When careful and long-continued experiments and observations shall have been made, and scientific research exhausted without any indication of success, it may be given up in despair; but neither have the efforts to ascertain the cause of the disease been so long continued; nor the indications of success so unpromising as to justify such a conclusion.

Much has been said and written upon the subject, and many theories have been advanced, most of them founded upon careful observations and adhered to with great pertinacity. One discovers aphides among the vines of the diseased plants, and after many examinations he finds that where these abound the tubers decay, and where there are none the tubers are sound. He therefore concludes he has discovered the true cause. and gives no credit to any other theory. Another concludes from his observations, that the disease is caused by fungi. Some attribute the disease to different manures, others to soil or to peculiarities of the season. All may be right infone sense; any or all of these causes may contribute in completing the destruction; but that no one of them is the primary cause is very evident. The very fact that there are so many and so various causes, either of which appears by careful observation to have been adequate, is, of itself, sufficient to prove that they are all secondary, and in reality only effects of something beyond, which must still be sought as the true primary cause, through whatever instrumentality it may exert itself.

There are certain facts probably known to all which I shall state here, not as anything new, but as the foundation of an argument.

1st. Potatoes have very generally ceased to produce seed, although blossoms may be seen m abundance; you may, m some instances, examine large fields in the proper season without discovering a single ball.

2nd. The potatoe crop is much inferior in quality to what it was formerly. I have known a 1000 bushels produced from a single acre, cultivated in a very careless manner, and in some parts of the field I have seen a bushel dug from four hills. 500 bushels per acre was formerly considered only a fair crop, without much care in manuring, planting, or cultivating. What is considered a fair average crop now?

These facts seem clearly to indicate the loss of vitality in the plant. I infer, therefore, that the potatoe, malady is in consequence of loss of vitality, occasioned by longcontinued propagation from the root, without principles of natural history justify it.

It appears necessary :-

ment. (See Mr. Williamson's statement Agricul. p. 44.)

p. 51., and Cul. p. 21.)

Mr. Thorbura.

That the inference is fairly drawn from

tinued for any length of time

the essential properties and generally most of the plants or annuals, by a single reproduction. incidental proporties of the progenitor

dency both to improvement and to deterioration. I experiment.

tion of the progeny.

5th. Although great changes may be produced quently many reproductions.

vauen, &c., will do much to vary the apparent loss of vitality from age in plants

7th. Plants that have lost their vitality are more subject to the attacks of parasites than plants in Mr Smith of Buffalo, and his success has been as depredations to the plants in which they originate. [

8th. The production of abundant blossoms few of which are succeeded by mature fruit, is an indication of loss of vitality, and generally on account of old age.

These propositions are too simple, and obvious to every careful observer, to adout any doubt. It would indeed, seem to be a retrograde movement explain on the phenomena that have been observe I and reported in relation to the potatee rot.

The plant is said to be attacked by aphides. this is true, but a is explained by the 7th proposi tion above - Plants that have lost their vitality are more subject to the attacks of parasites than plants in full vigour. Fungi have been found in great abundance upon the diseased plants. This is explained in the same way, but it is said the attacks of these same fungi are not confined to the notatoe, and hence it is inferred that they do not originate in a disease peculiar to this plant. Parasites often prey upon plants in which they never origi-

It is said again, that crops, in many instances, eact in relation to the disease, that may not be of Canada Pariners," and the utter extinction artisfactor, expanded by supposing the cause to of Canada dustles," I beg to say. I am, he from the lag continued propagation by the root, wallout removing from the seed.

Although I have already said more than I at first intended to say, yet I cannot dismiss the subject without bestowing a passing notice upon some editorial remarks in the Albany Cultivator.

himself to take so superficial a view of this impor- sibility of cure. Try it.

appears to me reasonable, because established tant subject. In an article in the January No. p. 21, he says-" If it were true that the potatoe disease were wholly constitutional, as our correspon-1st. Because the committee appointed by the Viceroy of Santa Fe de Bogota, nearly This is a strange inference indeed! He might as one hundred years ago, to investigate the well say, if a man is affected with the scrofula, or same subject, after laborious research report- any other constitutional disease, it is of no conseed that the disease was caused by loss of vi-Iquenco what regimen he adopt, he will be just as tality, which must be renewed by planting likely to die under one course of treatment as the seed from the vines; and further, after another. Again, he says-"If it can be proved five years they reported that among the plan- | that varieties of fruit degenerate by being propaters who had propagated new varieties from gated by grating or budding, we should regard it the seed balls of healthy tubers, not a rotten as evidence that the potatoe might be effected in potatoe could be found. This is a matter of or have spent his days among seedings, not to record found in the archives of the govern- have had opportunity of knowing by his own observation, that although the quality of fruit is not deteriorated but rather improved by grafting; ye 2nd. Because the well attested facts, stat- the vitality of the graft cannot be protracted much ed by Mr. Smith, of Buffalo, as the result of beyond the natural age of the original stock. The his experiments prove the same thing, (Ag. choicest from of former times have all passed away, notwithstanding the efforts to continue It may be stated also that the Savans of them by grafing, and have been succeeded by new Russia, appointed by the Emperor, to invessionates, obsained from seedings, many of which tigate the subject have come to the same confact so well established and so important, that it clusion, and induced the Emperor to order ought to be known to all interested in the cultivifrom this country all the seed that could be mon of trees, and other plants; and especially to procured, as stated here by the venerable those, who, from their position, are to give direcoon to the opinion and practice of others.

Again he seems to infer from his own experiprinciples and facts in natural history I shall cance that the disease in the potatoe cannot be now attempt to show, and 1 hope to do it read, cated by planting the seeds. He says— of satisfactorily to ever candid mind. It may be the six or seven kinds produced from seed, nearly proper here to state some of these principles and were evidently officied officied, by the potatoe disease." Yet he admits that—"One or two and facts—I offer the following proposi- kinds seemed to have more natural stamma than the others, and continued vigorous till the close of 1st Although most plants may be propagated the season." This is precisely the result indicated either by seed or by cuttings, the former method by the 3rd. 4th and 5th of the above propositions, only can be perpetual: the latter can not be con-It is not to be supposed that a deeply seitled con-2nd The progeny of any plant will possess all sututional disease can be wholly eradicated from

His own account, however, shows considerable 3rd. There is in the procreation of plants a ten. (advancement towards renovation by a single

4th. The better the condition of the plant at the | There is certainly enough of probability about time of procreation the better will be the condi-) this theory to claim for it a candid consideration. Let it then be fairly and fully investigated. Let experiments of planting seed, be continued, and in plants, yet these changes require time and fre. Het the facts observed in all attempts, to renew the vigour of the plant in this way, be compared 6th. The circustances of soil, climate, and culti- with the laws of propagation. If there are apparent discrepancies let them be published, and of they cannot be explained, by the principle of this theory, let it be abandoned.

An important step has already been taken by a vigorous state. Plants have their peculiar pa- great as could reasonably be expected. It has, in rasites but they are not always confined in their fact, been in exact accordance with the fixed law-

This subject should be met by careful investigation, founded upon sound-principles, and guided by common sense; not by that guessing method which knows no principle, unless it be to adopt the most popular opinion.

In conclusion, let me ask-is there not much eason to believe that if these experiments be conin science to attempt to prove them, yet if grant-tinued not only planting seed but the seed of order, has had a new Store-house built upon ed, they are sufficient for my purpose; they will bulls selected from the most vigorous plants; in it during the winter. a few years the potatoe rot will have wholly ceased, and this distressing calamity will have passed

To the Editors of the Canada Farmer,

GENTLEMEN :- I beg to state for the information of your correspondent "Thistle Farmer," that a sure way of extirpating the Canada thistle is as follows:-Plough them early in the spring and continue ploughing them every two or three weeks during the summer. The next year pursue the same course and in the fall you may sow wheat, your ground will be in good order and you will not be troubled with many thistles. I were less in tred by the rot in 1846, than crops have killed and seen killed. several patches of upon the same ground were in 1845; although these weeds by this simple process. You will at the seed for the crop of 1816 was taken from the once see. Messrs. Editors, that this plan is in excrop of 1845. This is explained by the 6th pro- act accordance with the principles you so clearly position, which also accounts for the different de- explain. I substitute the plough for the hoc, grees of disease in different soils and with different potnich would require too much labour for a large manures. In short there is no well authenticated patch. Wishing you every success -an increase

A SCHOCKIBLE.

Whaby, May 15th, 1847.

WARTS.—Warts on the udder and teats of cows may be easily removed, simply by washing them in a solution of alum and water. We have them in a solution of alum and water. Fregret that a person who stands so high, as the editor of this valuable periodical, allow the editor of this valuable periodical, allow the editor of this valuable periodical, allow the periodical to the periodical of the many first trip of the periodical allow the periodical allows the periodi

# FORWARDING BUSINESS-CITY IMPROVEMENTS.

From the Government wharf at the west to Gooderham's wharf at the East of the city is a distance of about two miles, along which is interspersed a large number of wharves, all showing signs of substantial improvement. The class of vessels employed in the Lake and River trade is every year getting larger; and it is found that the smaller ones have not the slightest chance of competing successfully with the larger. It is said by those who understand the subject, that when the counts to Montreal are completed, flour can be profitably carried from this city to Quebec for 1s. 3d. a barrel; though last summer the forwarders charged 23, and in the fall 2s. 6d., and even higher than that. The Kingston forwarders have not yet published their tatiff of rates, but it is said that they stoutly refuse to carry flour from Kingston to Montreal for 3s. and it is expected that they will demand 3s. 6d.

In noticing the improvements that have taken place in the wharves of this city since the close of navigation last fall, we will commence at the East and proceed to the West.:

GOODERHAM AND WORTS WHARF .- This is a new wharf, built during the winter, with a store-house upon it, by Gooderham and Worts, owners of the City Steam Mills.

The mention of steam mills reminds us that Mr. Cleal has just got a Steam-mill into operation in the vicinity of the market, in the Engine of which he has made some improve-

Mr. SMALL'S WHARF is the next as we proceed westward. A new Glue Manufactory and shed for drying have been built on this wharf during the winter. A new Steamboat, the property of Mr. Lamontaine, has been built at this wharf. She is intended to run to the Island, her proprietor having leased five acres of ground, from the City Corporation, near the Block-house on the Peninsula.

Mr. CLLL's SHIP YARD. - A new threemasted Schooner, the Iceland, 130 tons burthen, has been built here during the winter. A new Schooner, the Ardelia, 75 tons burthen, has been built at Mrs. Maitland's old wharf suce the fall of last year.

MR. CAWTHRA'S WHARF .- New buildings have been put up here for a Timber Yard.

MR. ALLEN'S NEW STEAM MILL.-The next important undertaking westward, on this line, is an extensive new Steam Flour Mill, which is being built on the property of Mr. Geo. Allen, son of the Hon. Wm. Allen, and which we believe is to contain six run of

MACHELL'S WHARF, which is the next in

FRONT OF THE MARKET .- The Corporation have put down breast-works, and are busily employed in filling up with earth, which when completed will extend to the esplanade bating about 80 feet.

MR. BOULTON'S WHARF has been extended 13 cribs in length during the winter.

MR. HELLIWELL'S WHARF has likewise been extended 9 crib.

MR, MAITLAND'S WHARF has undergone thorough repairs and extensive improvements. A new front has been put to it, and the old parts at the sides renewed. A new Storehouse 100 feet by 60, and capable of holding 15,000 barrels of flour, at a cost of about .£1000, under the superintendence of J. Johnston, Esq., Architect. The Custom-house has made it a bondingwarchouse. There are now three bondingwarehouses in the city, viz., Maitland's, Browne's, and Gorrie's. On Maitland's wharf there are 1000 barrels of flour and 100 barrels of oatmeal, for the Toronto Highland Relief Fund. A handsome new brand, "Highland Rehef Toronto" has been made for the purpose of branding them. There are also on this wharf 50 barrels of flour for the Scarboro Highland Relief Fund .- [Examiner.

" WE HAVE DONE WITH THEM."

Our readers must bear with us; we have an unpleasant subject in hand. The Editor of the Cultivator basthrown down the gauntlet; and the first law of nature, self-defence, bids us take it up. With that peculiar cumming, which characterizes the lower order of animals, the Editor of that paper attempts, in the outset, to get the better of us by placing us in a filse position. Let the public hear his accusation:-

" In the April number of the above paper (the Canada Farmer) the learned Editors have thought proper to make three most unwarrantable attacks upon us; and indeed their short career has been pointedly marked with a factions spirit of opposition to the conductor of this magazine, which strangely and strongly contrasts with the spirit we have, both in private and public, main-factor to arch than?" fested towards them

We deny the whole charge, and call upon the Editor of the Cultivator to produce his proof, not a tittle of which has be attempted to bring forward. That our allusions to the Cultirator have invariably been made in the spirit of candour and fair discussion, we appeal to our readers, we apreal to the public, we appeal to the whole cotemporary press, which from Halifax to Wisconsin has noticed our labours in a most flattering manner. Unless the Cultivator produce proof to support his accusation, he will stand convicted of having uttered a deliberate falsehood. He claims great credit for "the spirit which he has manifested" to us in private. We acknowledge that until recently we have no rudeness or incivility to complain of On the contrary, one of the Editors of this journal, was, after a very slight acquaintance, asked by the Editor of the Cultivator what Grammar there is, composed for children, from which he the (Ethtor of the Cultivator) would be likely, in the shortest time, to learn the radiments of his native tongue. "Cobbett's Grammar" was recommended in the same friendly spirit in which the advice was asked. But, we are sorry to observe, that every subsequent number of the Cultirator bears conclusive evidence that our advice has not been acted upon. And now the Editor of the Cultivator, who cannot write a single sentence in English correctly, and whose journal, save a few extracts, would be a disgrace to the literature of any country, turns round and advises us "not to write on subjects we do not under-

The Editor of the Cultivator never lets shp an opportunity of putting houself: "For the information of these Editors (of the Farmer) we would state, that we print an edition of eleven thousand copies of the Culticator " "Print"? Pray, Sir. how many do you circulate? Asthis information is given for our especial benefit, we are, of course, at liberty to make use of it, and comment upon it in all its bearings. We have no doubt that two thousand, or thereabouts, of the Cultivator, is sent into the world at each issue, of which some hundreds have been, in a very unfair manner, thrust upon the members of Agricultural Societies; many of whom, however, have the good sense to leave copies addressed to them in the Post Office, rightly judging that it would be very foolish to add the loss of postage to the

The Cultivator has been got into circulation by the most barefaced jugglery that ever imposed on a credulous public. Before that journal came into existence, several really valuaable American Agricultural journals were circulated in the Province. But on the establishment of Agricultural Societies in Canada, which the parrot-like Editor of the Cultivator, echoing the sentiments of American journals, recommended; and has since incessantly contunned to chatter about; at this time, or shortly after, he made these Societies a crutch for his deformed banding to lean upon. So soon as he succeeded in getting it made part and parcel of these Agricultural Societies, his object was gained. The speculation was successful, and the Editor of the Cultivator set up for a Patriot! Somewhat different from the Patriot of former days.

There can, of course, be no impropriety in Agricultural Societies taking Agricultural papers; on the contrary, it is their duty to desseminate knowledge by such means; but it is not right that every member of an Agricultural Society should be forced to pay for a journal, which all the more intelligent look upon with contempt. Valuable Agricultural journals have in consequence of this manocuvre been nearly driven out of circulations and the Culticator has therefore inflicted a serious injury on the Agricultural interest. The thing was managed in the first instance by whining and spiritless appeals to the sympathy of the farmers; by fabricating stories about five-hundred pounds being lost in one year by the Culticator: when, as any printer will attest, the whole cost could not have exceeded half that sum. After the fabrication of all these falsehoods, the carrying out of this bare faced deception, and the deadly blow aimed at the interests of Agriculture, by driving good journals out of circulation and disgusting the public with everything that bears the name of an Agricultural paper; after all this, that despending thinks its circulation a thing to boast

This is not a thousandth part of what we could reveal regarding the Cultivator. For the present ed, the most sublime and terrific phenomena, the letters the better should be seen troop in any the storm—the earthquake—the volcano we let him ship, but, should be again trimp up any charges against us, we pledge our word that we "will handle him without gloves; " and thorough-"will handle him without gloves; 'and thorough' the flower, and the ripening of the fruit, by expose the quackery by which he has humbing- has been investigated, and for the most part ged the public. It depends upon himself whether investigated successfully. we have "done with him "

## From the Commercial Advertiser.

#### RUINS.

Many o'er, ancient temples sigh, Whose scattered beauto's heap the ground-From classic Greece, from buly, From Egypt's shores in darkness bound. From Palestine, the Holy Land '-Their voice floats on each passing wind; But doth in all one rum stand So great as a degraded mind?

Go through our country's wide spread space-The land of sacred freedom's boast— See Jain each house and dwelling place, Rumed sunk beings, what a host: Youth, its bright aspirations crushed, Manhood and age, their virtue gone, Are rums of a nobier dust Than in Greece of Rome are gazed upon

We mourn o'er Herculaneum's fate. And sigh o'er Polipen's buried towers, But is their desolation great take rum of immortal powers? Can Rome's coloss d statutes for— Its bronzes, temples, arches high— One moment with the mind compare? With virtue, truth, or wisdom vie

Would that our own-the best of lands-The city, band t vill ge fur.
Contained in dark no "Legion" bands
Their peace and virtue to impair:
Would that where thought and mind are free, Where revelation opes sublime, Man soared for immortality! Nor lost his lemage divine.

Would that some voice of power might speak Lake His on trembling Smar heard, The direful charm of sin to break. By its divine Almighty word . Would-but man's lasirt is prone to ill As upward mounts the kin fled flame: power can change the stubborn will, But Jesu's great, all-conquering name ;

Ye then who sigh o'er Greece and Rome —Their sculptured grandeur in decay-Come sigh o'er thought's immortal dome Darkened to truth's eternal ray; More than a forum's rums mourn, A great Collosseum's glory lost; O'er that sublimest rum mourn, The temple of the Holy Ghost "d Clarendon, N. Y., 1847.

\* Luke, chap 8-30. ! Arts 4-12

f Romans 2-7. || 2d Cor 6-9.

# Literary Department.

#### PURSUIT OF KNOWLEDGE UN-DER DIFFICULTIES.

In these days of cheap publications when incalculable quantities of trashy literature find their way into the hands of young readers, it is refreshing to find a work like the one just issued by the Harpers, bearing the above title, calculated to stimulate exertion and create a desire for knowledge. We could not, among all the works that have recently been issued, select one better calculated to produce good and lasting effects upon the mind, and show the value and importance of self-education. The second edition has been lard and Roger Bacon, and stirred the subgot out under the auspices of Dr. Wayland, have genius of Dante-called forth the exof Brown University. We present an extreet from a late criticism on the book :-

The desire of mental unprovement and enjoyment, resulting from a principle in the human constitution, implanted there by the Creator, has led to neutal exertion, becility has obscured it. Of its manifestations to the discovery of truth, and to the defining its efforts, its achievements in modern times, and enlarging of its relations and leg timate boundaries. The feuits of this exertion constitute what is called human knowledge, in the most general sense of the term. It has guen birth to science, to philosophy, to the arts, 'I literature. The vast panorains of the universe, in all its beauty, its glories, and its mysteries. has been made the subject is the mind itself in action. The most of scientific investigation, and the human intellect has been successfully exerted in exploring its secrets and defining its laws. The heavens and the earth, animate and inanimate nature, have yielded up the key of their mys-

vens-tracked the stars in their courses, ascertained the mensure of their orbits, and the principles of their movements. The the principles of their movements. material world with which we have more mmedmiely to do, the scene of  $|\phi|$ present existence, has been explored in a ats departments, and the various operations and productions of nature have been laid open to the inquiring mind. The bowels of the earth and the depths of the sea, have been penetrat-—alike with silent and beautiful operations of the springing of the grass, the blooming of

Nor has the human mind been less diligent in the investigation of its own organization and faculties—in its inquiries into the nature and powers of the understanding-the laws and compass of the reasoning faculty-the office and work of the memory and imagination. The realms of thought and feelingthe intellectual, the sensitive, the moral world within the bosom of every man, constituting his true and proper being, have been patiently, and in some degree, successfully

By that most wise and beautiful provision of the God of nature, which, while it allots to particular individuals, the desire and the power of exclusive devotion to particular departments of knowledge-to science-to philosophy-to literature-to the arts, thus contributes most effectually to the advancement of the race in the one great field of intellectnal exertion and inquiry, we have had from earliest times a succession of masterminds, at once the benefactors of their race, and the living exponents of the capabilities and aspirations of mankind. "Lights of the world" in a higher sense than that of the poet, they have not only revealed truth intherto unknown, but by their encouragement and success, incited the general mind to engage in exploring its boundless field. Renping for themselves, and for man, the fruits of individual exertion, they have also strengthened the universal desire, and directed the exertions which it prompted into legitimate channels. Such minds, it is true, have often stood apart from and above their age and times, because endowed with larger desires and higher powers for the discovery of truth. But as such they only present themselves the more prominently, as the representatives of the mental and moral powers, and destiny of man, exhibiting and testifying to the fact that intellectual aspiration is a principle most deeply interweven in his nature, and that intellectual and moral progress and enjoyment are his rightful prerogative.

This truth will be strikingly confirmed by even the most superficial acquaintance with the history of the human mind in its search after truth. The desire of knowledge, of spiritual attainment and spiritual good, celestad but earth-bound principle as it is, has always manifested its plorious origin and tendency, in its efforts to establish for itself a sphere of action and enjoyment above the material and sensual objects by which it is environed, to gain and preserve the supremacy of the mind over the body. The rudest essays and the most imperfect discoveries of earliest times, equally with the wonderful revelations of modern science, and the brilliant creations of modern literature and art. attest its essential existence in the human constitution, and its universal power. We notice its manifestation in the studies of the Egyptian priest in his gloomy temple—in the sheat night watchings of the Eastern magi, no less than in the speculations of the old philosophy-in the mythology, the poetry, the rhetoric, the arts of Greece and Rome. In the dark ages it gave rise to arts of Charlemagne, of Alfred of England, of Abequisite breathings of the harp of Petrarchthe pleasant tales of Chaucer, and the glorious creations of Michael Angelo. Neither the darkness of paganism, nor the stormy and battling times of ancient history—nor the the long dark night of superstition and imwe need not speak. Its records and monu-ments are every where around us-we ourselves feel and do homage to its powers.

unpropitious circumstances, and the most limited means of study, have never been able to conquer the inborn desire of knowledge, the thirst after mental and moral progress and enjoyment. It has given the strong

ful, has explored the mechanism of the hea- hade it. Poverty has not been able to depress it. Sorrow and want and persecution have not been able to rob it of its glorious energy. In spite of adverse circumstances—in spite of outward restraints, it has shown itself endowed with a force and constancy which rarely, if ever, belong to any of the lower principles of action. It gave consolation and high purpose to Terene and Epictetus in slavery, and made one a father of Roman comedy, and the other the best of the stoic philosophers. It nerved that heroic spirit of Heyne amidst the grim povery, the actual starvation of his boyhood, and the almost incredible privations and toils of his youth and early manhood. Tasso felt und blessed it in his prison-house. Metastasio owned its power when he ran barefoot about the streets singing extemporaneous verses, and Pope Adrian VI., the son of a poor artison of Utrecht, yielded to its inspiration when he betook himself for study to the church porches and the corners of the streets. It called the immortal Linneus from the shoemaker's bench to be the founder and unrivaled expositor of botanical science, and from a carp inter's workshop carried John Hunter to the first rank of anatomists. But it is needless to multiply examples. These few will be amply sufficient to evince the truth of my position, that the love of knowledge and its rewards is indestructible in man. His constitution, his destmy, his natural desire after happiness, impel him to mental improvement and the acquisition of know-

#### THE GREAT PROJECT OF THE AGE.

Mr. Whitney has, we think, made a just estimate of the character of the American people, of their resistless enterprise, and wonpractical physical results. He has looked at state of Egypt :the movements of the times, and has seen the mighty strides every where making in the and call to this working, restless age, to come up to his help in the building of the grandest single work of public utility ever attempted by the human race.

We notice that this indefatigable man is now in Albany, advocating his favorite project. The Argus thus makes mention of his

"Mr. Whitney's explanation of his great project for a radroad from Lake Michigan to the Pacific, on Friday evening last, in the Hall of the Assembly, was listened to with much interest and favor by a large number of the members of both houses of the Legislature, and many of our most respectable citizens, and we believe (though not able to be present), he made his project appear plain and feasible. Its vast importance no one can

As to the present prospects of the project. Mr. W. stated that "a committee of the 28th Congress reported in its favour, recommending it to the people, and the public lands as the only means for the accomplishment of such a work; that a committee of the 29th Congress gave a unanimous report in its fayour, and brought in a bill setting apart the lands prayed for; that the last session of Congress being short, and the Mexican war, prevented action; that the people throughout the country had expressed favour for it, and that the press almost universally had advocated it; that meetings had been held, popular and legislative expressions made, and legislative resolutions passed in its favour, &c.

The Argus then adds :-- he explained the feasibility of the route, which, it appears, is more favourable than any radroad route we have heard of. It appears that, from the Luke to the Pass in the mountains, 1600 lasting truth of the old maxim, miles, a road can be built, on a straight line, u Quidquid delirant reges plectunter Achivi." and no part with a grade exceeding 25 the mile, and much of that distance or an avernge grade of 6 feet; from the pass to the the better for this regeneration? ocean, about 800 miles, it will be more difficult, though perfectly feasible."

A single glance at the results of this great work must convince every one of its vast importance. With this road completed, at 30 miles per hour for the railroad, we can reach the Pacific, at the Columbia river or San Francisco, in 54 days, allowing almost a day for delays. Thence to Japan is but 4000 miles, terious chambers to his auxious questionings. heart and the determined purpose to men, in Astronomical genius, with a sublimity and every age of the world, and in every condibuldness of aim, alike admirable and succession of life. Obscurity has not been able to would be reached in 14g days from New diers. The hospitals are for army medical

York; from the Pacific coast to China, 5400 miles, requiring but twenty days, or from New York, 254 days. The sea voyage around the Cape, 16000 or 17000 miles, now requires from 100 to 160 days. From the Pacific coast to Australia 6,000 miles, could be reached by steam in 22 days, or from New York in 274 days. The sen voyage, more than 14,000 miles, consumes from 100 to 130 days. From the Pacific coast to Singapore, 6660 miles, reached by steam in 25 days, or from New York in 301 days; now, the sen voyage, nearly 15,000 miles, 100 or 130

The magnificent results promised by this work overwhelm the mind, it is true, but they are comprehensible, nevertheless, and appear to be within our grasp.

We understand that Mr. W. desires some expression from our legislature, and we do not doubt it will be promptly granted, and in a form as favourable as he may desire. It is important that this subject should be acted upon early at the next session of Congress .l Buffalo Courier.

#### MEHEMIT ALI AND EGYPT.

All the modern travellers in the East have made Mehemit Ali a subject for one of their spirited, sketching, chapters. But none have so fully let us into a knowledge of the state of this country, as has a Reverend Mr. Fairnly, in a late book of travels, entitled " Travels in the East," We extract some derful physical energy in the attainment of portions of his chapter upon the present

The Pasha, being an usurper, is the centre of an artificial glory derived from circumstances, progress of human improvement, and has the which, if they be the spontaneous exertions of a boldness to stand out in advance of them all, people themselves, are credible tokens of a prosperity internal and solid; but when they cobrought from a distance, and established by violence, they are about as much the substance of a prosperous state as the feathers of the jay which the jackdaw put on were proofs to his companions that he had become in any degree the better for having put them on. I augur, therefore, that with the pasha himself will most assuredly fall to pieces all the borrowed plumes of his government.

> However, to do him justice, we will see what he has done; and then when you have contrasted the present state of his country with the past, you will be enabled to judge for yourself.

> Now, he has established security of life and property from all marauders, except himself; be has made Bedouins and other robbers respect him by daily hangings in Cairo. Europeans are suffered to wander where they will unmolested. There are no civil commotions, his officers know that a vigilant eye watches over their conduct. He has a camel post from one end of the connury to another; he has brought artizans of all kinds into the country from Europe; he has attempted to grow sugar, he has brought in physicians and hospitals; he has built schools, to encourage mechanics and sciences; he has made a large fleet; he has immense armies, perhaps 130,000 men under arms; his name is a perfect passport over a tract of country that never before knew what law was; he has built palaces and mosques; he has attempted to improve the cultivation of the soil, by the formation of a Board of Agriculture; and when all this, to which more might be added, is put together, the result is a great deal of very de-Insive grandeur, centering upon the pasha himself, like the flame which was said to have played round the cradle of the infant Servius. The pasha alone is magnified in the eyes of Europe; in the maintenance of his glory his satellites subsist; and the people-the poor people-exhibit the

Now, is Egypt, whereby I mean domestic life, and all the interests of family relations in Egypt,

Not at all; but much the worse! The manufactories are worked to a loss, they do not repay the cost of production. The schools call into being a number of useless scholars, only to draft from them the more tilented for the service of the government; the remainder are returned on hand to their parents unfit for any ordinary purpose of life, such as life is there. The army is large only on purpose to show a front of war against Lie master; the fleet again is for show, geon for the garrison. Then agriculture is beggar. The cotton is sold for English money. which finds its way into the pasha's coffers, and from thence, through various strainers, to the al paul soldiers, to maintain the artificial fabric of which Mehemet Ah is the centre. His miported artizans do their work, come and go or stay; but the people are not taught.

The revenue is unnatural and forced, ground by the most savage exactions from the penury of the people. Everything is secure indeed from others, but not from hunself; in monopolizing power he has claimed the sole right to rob. Under the Mamelakes the mosques enjoyed grants of property in land, and extensive districts belonged to them, being the donations of pions men who had not advanced to a contempt for These have been seized, and the their faith priests and colemans are now supendiaries of the government, upon a reduced scale. Not a peasant in the land can call his rough wool shirt his own fortwo days.

Speaking of the agriculture of the country our author says :-

Now, the pasha is lord of the soil; as pasha he claims the power of Pharach, to whom his subjects mortgaged all their property in the soil To improve his agriculture, there is a central council for this purpose in Cairo. They decide upon the gross amount of sugar, cotton, corn, and other produce to be raised during the year; and in various parts of the country there are magazines for collecting the district production Now should a fellah have sown his own wheat, and the crop be come up a foot high, yet if an order be come from the central board that cotton must be planted instead of wheat, then away goes the wheat and cotton is planted; and if when the cotton is grown, he wants a part for his own use, he must first take the whole to the magazine, and there redeem, at the pasha's rate of sale, the part he wants, with money paid to him at the pasha's rate of remuneration for labour, which is little

The present general poverty of the country is also represented as incredible. The author says :-

Now, on landing at a village, a few blind old men and women are seen together with some ragged thin children, like the Cyclops, with but one eye: the second has been put out to prevent their being taken for soldiers when they grow up. The able men are finding in the mountains to es cape a conscription or heavy tax that may be collected. Often not an egg or fowl is to be had for money. In a word, misery of the worst deacription reigns in the whole of his dominions: and notwithstanding he is called the renovater of Egyptian greatness.

The author thus pictures the character of the man, and draws his forecast of the fu-

The great originator of all this change is now become an historical character; and his name will, in some degree, belong to his country. I venture to predict that he will be remembered rather as the cause of some singular movements of the European nations drawing closer and closer round the coming fate of the Turkish Empire, as foreseeing the day not far distant, when the aspect of European power will take its complexion from events to be brought about at the Bosphorus, than as an agent of permanent good or evil to the country over which he rules. That his power and his family will speedily lapse into magnificence may be safely foreseen, in that the inditary constitution of his government has no element of prosperity during peace; and there is a curse upon rebellion that ever comes sooner or later. At the same time, that he is a master- fection the manufacture of glass may be brought. mind none can deny; none who have seen him land to what purpose the article may yet be ap-can fail to recognize the mild, affable, and digm. plied. The balance spring of a chromometer is fied sovereign; none can refuse a certain sort of tribute to the keen, resolute, bold and fearless coming by which he steered himself through the difficulties and mazes of the outset of his career; and granting the maxim of every Castern usurper, that the art of government is to aggrandize the ruling power at the cost of the people. none can refuse to admire the more than usual share of impartial justice that has characterized every subsequent act of his despotic power, when freedom from necessities and exigencies left him ing very general, and the plan of first immersing at liberty to act as he thought fit.

He is a mixed character, and his greatest mis fortune I believe to have been his connexion and association with the worst elements of Europe. them under a good layer of common manure."

students. If a fellah Arab be sick, he must either European tactics were the first to suggest and die or go to a quack doctor, and this in the very have since furthered the rebellion; now Eurovillage where there is a refined European sur- pean force has turned against him, and prescribed him limits and peace. He is a strange improved, but the peasant is plundered, starved, unxture of faith, credulty, discrimination, and and runed, turned out of house and home a carmony, without learning, and yet the bone of contention between the most enlightened nations. Children in the extreme at times, at others composed when all besides have trembled; a lover of justice, and yet an oppressor, polite, frank, and open, and yet designing, shrewd and suspicions; in short, a great contradiction, a great rebel, and yet a great man.

#### Scientific.

BLE ARRANGEMENT.

contributor to the value of the manufactured article. In addition to its heating the building, and will raise a natural bloom in their cheeks, munitarizing the machinery, it is used to dry, full, dye, able by art. Ingenious candour, and maffected

#### HYDRAULIC ENGINE.

Mr. Elgah Bishop, of Jamestown, N. Y., has invented an engine on a novel plan, but on the true scientific principles, and calculated to supply the place of water wheels, for propelling machinery, &c. We shall not attempt a full description without an engraving, but merely say that it consists in part, of two large vertical cylinders with pistons and rods extending up to two ends of a horizontal shaft above. The hottoms of the clyinders are furnished with large disk valves of peculiar construction, and so arranged that while water is admitted into one of the cylinders from a water-pipe or pent-tock at the hottom, the water is discharged from the other and vice versa afternately. Thus while the force of the water is applied to raising one piston, the other is forced down by atmospheric pressure equal to the weight of the water contained in the cylinder, and the valves are reversed by a simple connection of machinery on the approach of each piston to the bottom. No other packing is required, than that of an ordinary pump piston, and consequently there will be but little friction. The power is communicated from a drum or gear wheel mounted centrally upon the crank shaft. It may succeed well.-[Ib.

A Novel Ther Protector .-- A correspondent of the United States Gazette says:-We are indebted to Austria for a recent and nappy inven-tion. An individual of that country has thought of using the galvanic power for the preservation of trees and plants. He used for that purpose two rings, one of copper, and the other of zinc. Having placed one upon the other, he fixes them round the trunk of the tree, and if an insect but touch the ring of copper, it receives at once a galanic shock, by which it is killed, or made to fall The effect of this apparatus is equally good in dry or wet weather, and its action is unceasing.

New Investion -Mr. John Y Savage of this city has invented what is described as a perfectly secure method of fastening the doors of bank vaults and iron chests, by holting them on the in-side, and causing the bolts to be drawn at any ck or any other preferable future time, by a motive power.

Grass-It is difficult to foresee to what periow ma ide of glass, a a substitute for steel, am no-sesses a greater degree of elasticity and a greater power of resisting the alternations of heat and cold. A chronometer with a glass balance spring was sent to the North Sea, and exposed to a competition with nine other chronometers, and the result of the experiment was a report in favour of the chronometer with the glass spring.

PLATTING POTATOES IN ENGLAND .- The Falmouth Packet, says, "The planting of Polatoes in the neighbouthood of Newlyn, is now becoments, viz, one quart of coal tax with five quarts of water, has been adopted by many: while some few have still adhere to the old one of placing

#### For the Ladies.

#### THE WIFE.

Oh, cherish her dearly. And love her succeedy. Be fachful indulgent and kind; Meke not a slight failing A pretext for juding, If such you should happen to find.

Oh, do not misuse her, And never refuse her. When proper her wishes may be: And thy cost, care, and trouble, She'll recompense double, By the kindness she'll Tivish on thee.

#### PERSONAL BEAUTY.

Let them, the ladies, observe the following NEW MANUFACTORIES .- AN ADMIRA | rules :- In the morning, use pure water as a preparatory ablution; after which they must abstain Four Companies for the manufacture of cot- from all sudden gusts of passion, particularly con and wollen fabrics have been recently organtency, as that gives the skin a sallow paleness. It mized at Utica, the capitals of which vary from I may seem trifling to talk of temperance, yet \$100,000 to \$300,000. One of them is already must this be attended to, both in cating and drinkmoperation. It has been found that steam is not ling, if they would avoid those pumples for which only an economical motive power, but a large, the advertised washes are a cure. Instead of and soften the fabrics, with the most perfect suc- good humour, will make them universally agreecess. The steam, after performing these various valle. A desire of pleasing will add fire to their functions, is condensed and transformed into the leves, and breathing of the morning air at surrise purest water, which is used in washing and cleans. [will give them a vermillion line. That amiable ing the wool, to which it imparts great softness [vivacity which they now possess may be happily and lustre. The goods thus far produced, are in heightened, and preserved, if they avoid late great demand, and are sought for here in Boston, hours and eard-playing, as well as novel reading at which latter place, they have brought a handsome, by candle light, but not otherwise; for the first advance upon the usual prices.-[Far. & Mechan, gives a drowsy, disagreeable aspect to the face; the second is the mother of wrinkles; and the third is a fruitful source of weak eyes and sallow complexion .- [Lady's Book.

#### WOMAN.

The good government of families leads to the comforts of communities, and the welfare of States. Of every domestic cucle, woman is the centre. Home, that scene of purest and dearest joy, home is the empire of woman. There she plans, directs, performs; the acknowledged source of dignity and felicity. Where female sense is most unproved, female virtue most pure, female deportment most correct, there is most propriety of social manners. The early years of childhood, those most precious years of life and opening reason, are confined to woman's superintendence. She, therefore, may be presumed to lay the foundation of all the virtue and all the wisdom that enrich the world.

# THE GOOD WIFE.

She commandeth her husband in any equal matter, by constantly obeying him She never crosseth her husband in the spring-

tide of his anger, but stays till it be obbing water Sarely men, contrary to iron, are worse to be vrought upon when they are hot.

Her clothes are rather comely than costly, and the makes plain cloth to be velvet by her handsome wearing it.

Her husband's secrets she will not divulge; especially she is careful to conceal his infirm-

In her husband a absence she is wife and deputy husband, which makes her double the files of her dilligence. Athis return he finds all things so well that he wonders to see hunselt at home when he was abroad.

Her children, though many in number, are none in noise, steering them with a look whither she listeth.

The beaviest work of her servants she maketh light, by orderly and seasonably enjoining it.

# A MOTHER.

Some females had met at the house of a friend for an evening visit, when the following scene and conversation occurred:

The child of one of the females, about five years old, was go'lty of rude, noisy conduct, very improper on all occasions, and particularly so at a stranger's house.

The mother kindly reproved her.

"Sarah you must not do so "

The child soon forgot the reproof, and became as noisy as ever. The mother firmly said.

"Sarah if you do that again I will punish you." But not long after, Sarah did so again. When the company was about to separate, the mother stepped into a neighbour's house, intending to restepped into a beginsour's house, intending to return for the child. During her absence, the thought of going home recalled to the mind of Sarah the punishment her mother told her she might expect. The recollection turned her rudeness and thoughtlessness to sorrow. A young lady present observing it, and learning the cause, in order to pacify her, said.

"Never mind, I will ask your mother not to whip you."

"Oh," said Sarah, "that will do no good. My mother never tells lies."

The writer who communicated the above for The writer who communicated he above for the St. Louis Observer, adds "I learned a lesson from the reply of that child, which I shall never forget. It is worth everything in the training of a legg, I table repossful child, to make it feel that its mother mover tells lies. butter—fry them brown.

#### TO YOUNG FARMERS.

We wish to employ a young, netive, intelligent person in each District of the Province, to act as general Agent for the Canada Parmer We find that local Agents do not interest themselves sufficiently to do us much service. To general Agents who will take the trouble to make occasional detours through the different townships to procure subscribers, the most liberal allowances will be made. We feel assured that no intelligent person need be ashamed of our journal, or hesitate to recommend it. We are determined that it shall occupy the first position as the Turmers' Paper; our readers can, by this time, form some opinion as to our ability to place it there.

Those who may be willing to undertake an Agency, as above, will please communicate with us as soon as possible, when we will make known our terms.

#### PROVINCIAL UXHIBITION.

We give below the remainder of the Last of Premiums, continued from page 55 :-

CLASS II - Wollen and Plax Goods. best piece of not less than 12 yards of Woollen Carpeting diploma and ... £1 0 2nd best ditto.

3rd best ditto, 1. vol Farmer and Mechanic. let best pure of Od Cloth Carpenng, of not less than 12 yards, diploma and . . let best pair Wollen Blankets, diploma 0 10 1st best piece Firnnel, not less than 12 0 10

3rd best ditto, I vol. Farmer and Mechan-1st best piece Sattinett, not less than 12 yards, manufactured from Canadian wool, diploma and..... 2nd best ditto 3rd best ditto, Ure's Dictionary of Aris. 1st best piece of Broad Cloth manufactured from wool shorn in Canada, diploms and ....... Y. State Agricultural Society. 1st best piece Winter Tweed, not less than 12 yards, diploma and..... let best piece Wollen Cloth, fulled and finished, deploma and..... 2nd best ditto, 3 vols. Transactions of N. Y. Agricultural Society. 1st best piece Launen Goods, not less than 12 yards, deploma and ..... 2nd best ditto ... 2nd best ditto ........ Farmer's Dic'y. 0 10

Agricultural Society for 1846 best forty pounds Flax, diploins and .. Agricultural Society, for 1846. Ct 455 1-Dairy Products and Sugar. 1st best common Canadian Cheese, manu-

Inctured in 1847, not less than 20 lbe...

diplomm......

1 10

let heat three samples Flax and Hemp

1st best forty pounds Hemp, diploma and

Cordage, diploma and.....

2nd best ditto ..... 3rd best ditto, Farmer's Library and Journal of Agriculture for 1846. Let best Gloucester or Stilton Cheese me nutuetured in Canada West, in 1847 Y State Agricultural Society.

1st best Buiter, in fiskins or rolls, not less 2 10 than 20 lbs., diploma and..... 2nd best ditto.

3rd best ditto, 6 vols. Transactions N. Y.
State Agricultural Society. 1st best Maple Sugar, not less than 20 lbs..

2 10 1 10 3rd best ditto, Skinner's Journal of Agriculture for 1846. 1st best Beet Sugar, not less than 20 lbs., 

Chemistry. lat heat Corn Stalk Sugar, not less than 20 pounds, diploma and ..... 

Arrificial Overens. -- I puntgrated green corn, 1 egg, 1 table spoonfull wheat flour, 1 spoonful

#### News Department.

HOME DISTRICT AGRICULTURAL SO-CHITY SPRING TAIR AND CATTLE SHOW.

This exhibition took place in the enclosed field near the Jail, in this city, on Wednesday the 12th instant. The attendance was not unusually large, the day was fine, and some good stock was exhibited. Amongst the implements the only thing we observed new was the Reaping Machine of Mr. J. Bell, a wood engraving of which will be found on our first page. We hope the patronage Mr. Bell will receive from the farmers generally will amply reward him for the ingeneity and skill he has displayed in the production of such a useful and desirable labour-siving machine.

The following are the prizes awarded:-

| The following are the prizes awarded:   | -  | l  |
|---|----|----|
| Blood Horses.   |    | l  |
| 1st. John James, Cadmus   | 0  | ľ  |
| 2nd. William Chapman, Truston, 2 10   | U  | ľ  |
| Draught Horses. 1st. Nathaniel Davis, King A field 3-15                           | ų, | į  |
| 1st. Nathaniel Davis, King A fied 3-15-<br>2nd. Nathaniel Davis, Nottingham, 2-10 | ŏ  | l, |
| Saddle Horses.  | "  | ľ  |
| 1st. Mr. Vanostrand, Yonge Street 2 0   | 0  | !  |
| 2nd. Mr. Gubb, York 1 0   | ö  |    |
| Downshit Mattes.  |    | l  |
| 1st. Mr. Wheeler, Scarboro' 3 15  | 0  | l. |
| 2nd. None entered   | Ť  | ŀ  |
| Yearling Colts.   |    | ŀ  |
| 1st. Adam McCoy 1 10  | 0  | ŀ  |
| 2nd Robert Smith  | 0  | l  |
| Yearling Tillies.   |    | ı, |
| 1st. Thomas Suider 1 10   | 0  | ŀ  |
| 2nd. Adam McCoy   | 0  | ŀ  |
|   |    | ı  |
| 1st. Mr. Musson   | 0  | ı  |
| 2nd. Jonas Lewis 2 0 Bulls Under Three Years.                                     | U  | l  |
| 1st. Mr. Taylor, James, Don 2 0   | 0  | ı  |
|   |    | ı  |
| 2nd, Wm. Armstrong, Markham 1 0 Bulls, Vearling,                                  | U  | ı  |
| 1st. George Millir, Mirkham 1 0   | 0  | ı  |
| 2nd, Anthony Bowes, Vangban 0 15  | ŏ  | ı  |
| 2nd. Anthony Bowes, Vaughan 0 15<br>Coies. Tures years and upwards .              | ٠  | l  |
| 1st. James Taylor 2 0   | 0  | l  |
| 2nd. Nathamel Davis 1 10  | Ŭ  | I  |
| 2nd. Nathamel Davis   | •  | l  |
| 1st. Anthony Bowes 1 0  | 0  | ١  |
| 2nd. Mr. Tunning 0 15   | Ü  | ŀ  |
| 2nd. Mr. Tunning 0 15  Hafers, Yearling.  |    | ı  |
| lst. George Makar 1 U   | 0  | l  |
| 2nd. Mr. Tunning 0 15   | 0  | ١  |
| Best Fat Spring Lambs.  |    | l  |
| 1st. James Taylor 1 10  | 0  | ı  |
| 2nd. J. B. Gracy 0 10   | U  | ĺ  |
| Subsoil Ploughs.  |    | l  |
| 1-t. Mr. Hannah, Toronto 2 0  | U  | ı  |
| 2nd. None entered.  |    | į  |
| Ribbing Ploughs. 1 0  | 0  | ١  |
| ded Same actions  | v  | l  |
| 2nd. None entered. Reaping Machine.   |    | ĺ  |
| 1st. Mr. Bell, Toronto 3 0  | 0  | l  |
| 2nd. Mr. Ldmundson 2 0  | ŏ  | l  |
| Hurse Hoe.  | ·  | ١  |
| 1st. Mr. Hannalls, 1 0  | 0  | l  |
| 2nd None entered  |    | ľ  |
| Dell Barrows.   |    | l  |
| 1st. Henry Neil 1 0   | 0  | l  |
| 2nd. None entered.  |    | ł  |
| Horse Rake.   | _  | ١  |
| 1st. William Jackes, York 1 0   | 0  | ı  |
| 2nd. None entered   |    | ı  |
| Maple Sugar.  | _  | ı  |
| 1st. William Jackes, 1 0  | 0  |    |
| 2nd. Mr. Ross, York 0 10  | 0  | ١  |
| Clocer Muchine.   |    | ı  |
| None entered.   |    | ١  |
| Clover Seed.  | 0  | Į  |
| ****  | v  | ١  |
| 2nd. Smder (recommend) Butter.  |    | 1  |
| 1st. Mr. Ross. York 1 10  | 0  | ţ  |
| 2nd. Thos. Sinder, York 0 15  | Ö  |    |
| 3rd. J. B. Gracy, Scarboro' 0 10  | Ö  |    |
| Judges for Horses Messrs. Bloor, Jos. Smi   |    |    |
| and Elliott.  | ,  | ł  |
| Judges for Cattle-Messrs. Cook, Wheeler, a  | nd | ١  |
|   |    |    |

Mason

Judges for Imports and Manufactures-Messrs. Musson, Bond, and Dew.

A premium of £1 5s, given for the best filly or colt from imported Clyde, given by the owner of Clyde, was awarded to Mr. Strong, of Vanghan.

The judges on Horses report, that although they have not awarded Mr Blanchard's horse, King George, entered as a drought stallion, they beg to recommend him to the notice of agriculturists, as deserving encouragement; and also that they think Mr. Strong's horse will werit the attention of breeders, as a fine specimen of a Canadian Bred stallion.

W. B. CREW. Assist. Secretary, H. D. A. S.

After the adjudication of the premiums, the members adjourned to Mr. Graham's, Former's Arms, Market Square, to discuss the merits of the viands, with which mine host had so bountifully spread his table.

E. W. Thomson, Lequire, occupied the chair, faced by the Secretary, George Wells, Esquire.

The cloth removed, the President of the Society, E. W. Thomson. Esquire, brought up the report for the past year, as follows:—

"The Society commenced the business of th

entrance fees, &c., amounted only to £2:

In consequence of the first exhibition of the Provincial Agricultural Association having been held at Toronto, the Fall show of this Society nerged in that, and to which the Home District Agricultural Society contributed £100 from its funds.

This sum, together with the several sams paid on aid of the Township Sociedes, with the contingent account, amounting to £43 4s, 3d, absorbed the whole of the fonds, including the Parliamentary grant of £250—save £1646s, 10d, which has been carried to the credit of 1847."

#### Mr. Thomson then continued:

In laving this statement before the Society, the officers of the Society think themselves justified in stating, that although our progress is not rapid, yet that it is still moving onward, and that a standits has been given to the agriculture of the District, calculated to produce the most beneficial results. It was conceived that one decided proof of the improved taste and desire for information is shown in the circumstance that two periodicals, published in this city, are now devoted to the cause of agriculture. In addition to our old friend, the British American Cultivator, we have now the Canada Farmer,—conducted with a considerable degree of talent, so far as he was able to judge. He thought this is to propose a property of the care of the considerable degree of the considerable the care of the it wise to encourage opposition in these as well as in many other things, as it could scarcely fail to cheat truth, or to correct the errors into which each corn trum, or to correct the errors into which each might by possibility fall; (for they must recollect that Editors, like other folk, are not immoculate), and by this means the great interests of the country would be promoted, which should be the aim of all.

Mr. T. then made some excellent observations on the necessity of approvement in our agricultural operations, and after some appropriate toasts were given the meeting broke up.

# Trial of Stephen Turney for the Murder of McPhillips.

The morder was committed in Markham village, in November last. At the public exammation of Turney, on his committal, we gave a full report of the proceedings. With one important exception, the evidence to-day was a resteration of that which we published on that occasion. The additional evidence consists in the circumstance, that on the morning after the murder he was observed to go into a privy, where he remained about half-an-hour. Under the floor, and in one corner of the prive, on search being made, a little bag was found, which contained twenty-six dollars in silver, and some other money.

McPhillips was known to have money in his possession, but none, or a very tritle was found in the store after the murder. Turney, it was also proved, had spent a good deal of money in this city a few days after the murder. Then there was a statement of his own voluntarily made to Ir. Gurnett, that he and another man had committed the murder. It was proved at the examination, before Turney's committal, that the other man charged by Turney, could not have been there at the time the murder was committed. This statement was probably made to implicate another and screen himself. The Council for the prisoner (Mr. Duggan) rested the defence of the physics of notifice evidence and fence on the absence of positive evidence, and contended that the fact of Turney having been proved to have made false statements, did not prove that he was guilty of murder.

The Learned Judge stated the case very clearly, repeating the whole evidence, and remarking upon the bearing of the facts. The Jury retired about five minutes, during which time there was the greatest anxiety in the Court to hear the re-sult. Verdict, GULTY.

They was probably not a single person in court who had the slightest doubt of the Prisoner's guilt. - [Examiner.

# THE CREDIT OF THE PROVINCE.

Baring, Brothers & Co. have, on the application of J. H. Dunn, late Receiver-General of Canada, denied the allegation in the memorial presented to Lord John Russell on Irish Colonization, that the former province of Upper Canada was once in default with its public creditor; The denial is in the foliowing words :---

"We readily bear testimony to the fact that all the dividends on the debt of that Province have been punctually paid, and to the good faith with which that Province has invariably met its engagements."

#### FREE NAVIGATION OF THE ST. LAWRENCE.

"A rumour, we believen well founded one, wasvery prevalent in the city, yesterday, to the effect that the last mail brought instructions to the revenue department here to allow foreign vessels in ballast to come up to Montreal, to receive cargoes of flour, wheat, &c.; which under the recent temporary reyear with a balance to their credit of only £38 &c.; which under the recent temporary re4s. 104d, in the Treasurer's hands. At the Spring laxation of the Navigation Laws, will be adfair premiums were awarded to the amount of mitted into British ports on the same terms troyed by fire.

253 18a, 9d, while the receipts by subscriptions, as if in British bottoms. As American vessels can allendy come down to Montreal, from any western port, it is not improbable, we think, that we shall see a great number of American vessels here, and a very extensive carrying trade over the summer."-[Montreal Guzette.

> The Turnpike Toll Gates were sold, on the 7th inst. at Mr. Tolon's auction rooms, Montreal, and brought £6,492, as follows :-

| Long Point'                 |      |    |    |   |   |   |   |   |   |   |       |
|-----------------------------|------|----|----|---|---|---|---|---|---|---|-------|
| Luebec                      | do   |    |    |   |   | ٠ |   |   |   |   | 1,310 |
| Cote des Ne                 | ige  | з. | •  | • | • | • | • | • |   | • | 1.015 |
| Victoria Toll<br>Upper Lach |      |    |    |   |   |   |   |   |   |   |       |
| St. Laurent                 | 1116 | da | ٠. | : | : | : | : | : | : | : | 1.605 |

How to avoid the Plague.—" It is remarked How to Avoir the Plague,—"It is remarked of the Persons that though their country is surrounded every year with plague, they seldom or ever suffer any thing by it themselves, and it is likewise known that they are the most cleanly people of any in the world, and that many of them make it a part of their religion to remove filthiness and musances of every kind from all places about their cities and dwellings."—[Mead on Peathwist Continues. on Pestilential Contagion.

Finst Annival of Quenec.-The St. Andrew from London which arrived at Quebec on the 8th, is the first arrival by sea this season.

Mr. Sheriff Thomas of Hamilton is about to visit England.

The News states that there are 150,000 bbls, of flour in Kingston awaiting shipment.

The American Buptist Home Missionary Society have appropriated for the purposes of the Society \$8.372 for the year 1847.

Pather Mathew affords refuge to 300 houseless poor in Cork, nightly, every week.

On Monday last a man, named Douglas, of this Township, came to his death, by being thrown from his waggon. The deceased was in a state of intoxication.—[London Times.

We learn from the Cobourg Star that the plank road from that town to Rice Lake is in active progress, and will be graded by the first of August.

Thomas Waters, Esq., of Port Dover has purchased the steamer Experiment and completed arrangements for placing her on the Port Dover and Buffulo route, as soon as she can be brought from her winter quarters on Lake Huron.

The Choctow Indians have subscribed one hundred and seventy dollars for the relief of the

distress in Ireland. It is stated that several rich farmers intend to emigrate from Waterford.

An extract from a letter from St. Simon, dated

An extract from a letter from St. Smoon, caced 2nd May, published in last night's Canadien, states that much snow was still on the ground there; that the habitants, having exhausted their forage, had been forced to spare a portion of their gram to keep, their cattle alive, notwithstandwhich, many had perished and were still periodic of their cattle and were still periodic. ishing.—[Quebec paper.

The semi-annual fair was held at Perth on Tuesday last. The day was fine. The show of cattle was small, and lattle or no business done.

His Excellency the Governor General has become l'atron of the Young Men's Library Association of Hamilton.

The Dundas Warder states that a diabolical at tempt has been made to fire Mr. Notman's buildings. Mr. Notman has offered \$200 reward to the discovery of the perpetrator of this outrage. Mr. Notman has offered \$200 reward for

DUNDAS FEMALE ASSOCIATION .- The Dundas Warder says:—" In addition to the primary object (the assisting Missionary efforts), it is desired by the temale members of Mr. Stark's Congregation to raise a handsome sum, through the toil of their own hands, to aid in the erection and completion of the New Free Church.

A meeting was held the other night in Dundas to draft an Act of Incorporation for that town.

Barker's Canadian Magazine has been discontinued.

An Agricultural society has been formed at

The Assizes for the London District opened on

the 13th Muy. The Calendar is light, The Spring is very backward in New Brunswick, and on the 11th instant, the snow in the woods was very deep. Potatoes were selling at St. John, for 5s. 6d. a husbol.

The steamer Gleaner is running from Bytown

to Montreal. TLE RIDEAU CANAL -Official notice has been given that this Canal will be closed from the 14th inst., until the 24th inst., for the purpose of mak-

ing good the damage caused by the spring freshet. It is calculated that 120,000 Germans will emigrate this vear.

The price of passage from Troy to Whitehall on board the packet boats is 124 cents.

At St. Lin, on Thursday last, the House of Mr. F. X. Quaviller was destroyed by fire, and, we regret to say, that his wife and children perished in the flames.

A deserter from one of our regiments in Canada has been sentenced to death at Washington for the murder of a Portaguese, named Da

A new Steamer has just been launched in St. John. She cost £3,000, and is intended to ply on the River, at a speed of 16 miles per hour.

Fine.—The tannery and dwelling house of Mesors. Bender, Ningara Falls, was lately upe-

TRADE OF NEW YORK WITH CANADA.—The N. Y. Expres. ys: We understand that last week one thousand hog heads of sugar were to be shipped through the canal for the Canadas, shipped through the canal for the Canadas, together with large quantities of raisins and spaces of all kinds. Two thousand, packages of tea were also sold for the saine market. Teas have been, for a long period, shipped over this route; but the large quantities of dutiable articles have been sent only since the passage of the bill of Congress, known as the "Phanix bill." The only perfecting this law requires is, now, that the Brutsh Government ought to allow British goods to mass over the line on the same terms as those to pass over the line on the same terms as those which are sent by the St. Lawrence.

House Power .- We are frequently asked the question, what is understood by a horse power? and why that way of reckoning power came to be adopted, and brought into general use? Before the power of steam was generally known and applied to mechanical purposes, horses were used to raise coul and other heavy bodies, and Mr. Motis, raiso coul and other heavy bodies, and Mr. Motts, in his experiments, carolidly compared the relative power of the different breeds of horses, and its average equal to raising 33,000 pounds one foot per mainte, or what is equivalent to raise 330 pounds 100 feet, or 100 pounds 330 feet during that space of time, when attached to a lever or sweep of a given length. Thus, this afterwards became the standard of measuring power or force applied to mechanical purposes, and which is still retained in common use.—[N. Y. Far. & Mech.

DEATH OF MR. HAGERMAN, -Mr. Justice Hagerman died at his residence in this city on the night of Friday last, at about seven o'clock. Ho had been ill for several months previous to the event. It is now currently stated that the Hon. W. H. Draper is appointed to fill the vacancy on the Bench.

The price of potatoes fell yesterday to 3s. in the Toronto market. The arrival of a schooner load was the cause.

#### Earl Cathcart has left Canada for England.

Trial of Hamilton.-James Hamilton was yesterday tried at the Court House in this city for the murder of Noah Heaton, in the township of l'oronto, in February last. The case occupied the court from ten in the morning to half past five in the evening. The jury left the box and consulted together about half an hour, when they returned a verdict of Gun.TY. We understand that both Hamilton and Turney are to be brought up to-day to receive sentence.

We have just heard the solemn sentence pronounced, that they both be hauged on the 22nd of June pext.

# LATEST NEWS FROM ENGLAND.

The Britannia, which arrived at Boston on Monday morning last, brings news fifteen days later. There was a gradual rise of prices. The following is the correspondence of the New York Commercial Advertiser :-

# LONDON CORN MARRET.

Lospos, Monday, May 3, 1847.

The arrivals of wheat are but small, and we The arrivals of wheat are but small, and we have a good demand on the part of our millers and some demand for the Continent. The stands were generally cleared of English wheat at an advance of 3s. to 4s. per qr., and we had a free sale for foreign wheat at an improvement in value of 4s to 5s per quarter. Flour is 5s per sack and 3s per barrel dearer than this day week, and the best brands of American are worth 45s. (ten dollars) per barrel.

The arrivals of oats are small, and there has been a good demand for this article at an improvement of 1s. per qr. since this day se'unight.

The crops are doing well-even potatoes are

O'Connell is sinking daily.

THE CANADA FARMER.—This is the title of a neat and well conducted Agricultural paper, published at Toronto. It is published semi-monthly, and will, we think, be appreciated by those whose interests it is intended to subserve. Terms \$1.50 in advance.—[N. Y. Farmer and Mechanic.

# Toronto Market Prices.

| May 22. s                      |   | d.  |   | s.  | đ. |
|--------------------------------|---|-----|---|-----|----|
| Floor, per barrel, 196 lbs 2   | 5 | 0   | 4 | 28  | 0  |
| Oatmeal, per barrel, 196 lbs 2 |   |     |   | 25  |    |
|                                | 4 | 6   |   |     |    |
| Rye, per bushel, 56 lbs        | 2 | 9   | 4 | 3   | 4  |
|                                | 2 | 4   |   | ž   |    |
|                                | 1 | 104 | • | 2   | ő  |
|                                | Ş | 8   | 4 | 3   |    |
| Potatoes, per bushel           | 3 | 0   |   | 4   | Ō  |
| Onions, per bushel             | 0 | 0   | 4 | 0   | U  |
| Tub Butter, per lb             | o | • 6 | 4 | 0   | 7  |
| Fresh Butter, per lb           | 0 | 74  | a | 0   | 10 |
| Eggs, per dozen                | 0 | 43  | a | 0   | 6  |
| Beef, per cwi                  | 7 | 6   | 4 | .22 | 0  |
| Beef, per lb                   | 0 | 3   |   | 0   | 4  |
|                                | 8 | 9   | 4 | 22  | G  |
| Hay, per ton 3                 | 5 | 0   |   | .40 | O  |
| Straw, per tou,                |   |     | ä | 30  | 0  |
| Timothy, per bushel, 60 lbs    | 5 | 0   | 4 | 6   | 3  |
|                                | O | 4   | 4 | 0   | 5  |
| Veal, per lb, by the qr        | 9 | 51  | • | 0   | 34 |
| Turkies, each                  | 3 |     |   | 3   | 0  |
| Giceso, each                   | ı | 3   |   | 2   | 6  |
|                                | 1 | 6   | • | 2   | 0  |
| Fawle, per couple              | į | 6   | Ÿ | 2   | 0  |
| Chickens, per couple           | _ | 5   | ٠ |     | 6  |
| Bacon, per lb                  | 0 | 3   | 4 | 0   | 5  |
|                                | Ģ | .0, |   |     | 0  |
| [Lard, perib                   | 0 | સ્  | 4 | . 0 | 51 |

#### Advertising Department.

# Notice to Agriculturists.

TOHN BE L., No. 7. VICTORIA STERST, Togento, CARRIAGE, SLEIGH, AND AGRICULTURAL IMPLEMENT MANUFACTURER, begs to acknowledge his sincere thanks to his
numerous Friends and Customers, who, for a series
of years, have so liberally patronised him in the
above line. J. B continues to manufacture, and
seeps constantly on hand, Double and Single Cartrages. Lumber Wasgons. Carts, Lumber and
Peasure Sleighs, Custers, Harrows, Scotch Poughs
(Wooden),—an article that defies competition, one
of which was awarded the first prize at the late
Provincial Agricultural Exhibition—Horse Rakes,
Turnty Drills, and every article in the Agricultural
Implement line. Implement line.

He calls particular attention to his "Premium two He calls particular attention to his "Premium two Horse Reaper," which obtained the prize at the late Meeting of the Agricultural Society of this District, and was pronounced by the Judges to be superior to any Machine of the kind ever imported into the Country. The machines 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 accurity.

J. B., in offering the above mentioned articles to the Public, begs to be understood to warrant every article manufactured by him, and having had a long practical experience in the business, and employing none but first rate Mechanics, feels confident that he can give general satisfaction.

All orders punctually executed when accompanied with Cash, or approved references in the City.



# Home District Mutual Fire Company.

Office-Nelson Street, opposite Adelade Street, Toronto.

INSURES Dwellings, Houses, Warehouses, Buildings in general, Merchandize, House hold Furniture, Mills, Manufactories, &c.

DIRECTORS: W. A. Baldwin, Dr. Workman, John McMurrich, James Lesslie, J. B. Warren.

William Mathers, John Doel, John Enstwood, -B. W. Smith.

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

All Losses promptly adjusted. Letters by Mail must be post-paid. December 26, 1846.

RCR Cheap Birmingham and Sheffield Goods, 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 Priors as any other House, and respectfully solicits a share of public pa-

CASH PURCHASERS will find it to their advantage to give us a call, as we calculate on clearing off our Old Stock every winter.

Toronto, 1st January, 1847. 1-12m.

# Boot and Shoe Store,

4. CITY BUILDINGS, TORONTO. SIGN OF THE GOLDEN BOOT.

THE Subscriber embraces the present oppor-Customers, and the Public, for the liberal patronage he has received from them since his comage he has received from them since his commencement in Business, (being about fourteen years,) and begs to inform them, that having recently added to his Premises, and greatly enlarged his Stock, he has now on hand a large Assortment of Ladies', Gentlemen's, and Children's BOOTS & SHOES, INDIA RUBBERS, See of all stressed quality, which he is disposed &c., of all sizes and quality, which he is disposed to sell on the most moderate terms.

JAMES FOSTER. 1-

January 18, 1847.

# CROWN LAND DEPARTMENT.

Montreal, 10th March, 1846.

NOTICE is hereby given, by Order of his Excellency the Administrator of the Government in Council, to all persons who have received Locations of Lund in Western Canada, since the 1st January, 1832, and also to parties located previous to that date, whose locations are not included in the last of unpartied lands. were not included in the list of unpatented lands, liable to forfeiture, published 4th of April, 1639. that unless the claimants, or their legal representives, establish their claims and take out their Patent within two years from this date, the land will be resumed by the Government, to be disposed of by Sale.

# Fairbank's Platform and Counter Scales.

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

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

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

WORKMAN BROTHERS & Co.

Toronto, 22nd March, 1847.

#### Workman Brothers & Co.,

No. 36, KING STREET,

OFFER FOR SALE:-60 tons English Iron, 20 tons Best Iron, 20 tons Swedes Iron, 15 tons Hoop and Band Iron, 10 tons Sheet Iron.
3 tons Plough Sheras.

2 tons Waggon Boxes, 2 tons Cast Steel, 3 tons Blister Steel,

atons Dister Steet,
I ton Spring Steet,
I ton Spring Steet,
I tons Camp Ovens,
I tons Bellied Pots,
Blacksmith's Bellows,
Blacksmith' Vices,
I to "Hill's" varranted Anvils,

120 Sugar Kettles.

40 Potash Coolers, 10 hoves "Pontpool" Plates, 25 Box Stoves, 21 to 36 inches,

25 Box Stoves, 24 to 50 facties 450 casks Wrought Nails, 20 casks Patent Pressed Nails, 35 casks Horse Nails, 40 casks Wrought Spikes,

40 casks Coil Chain. 200 hoves Windows Glass, 2 tons Putty,
20 dozen Common English Spades,
10 dozen Common English Shovels,
5 dozen Irish Spades,

2 dozen Scotch Spades, 60 dozen Steel Shovels.

8 dozen Steel Shovels, 10 dozen Grain Scoops, 40 Philadelphia Mill Saws, 40 "Farrbanks" "Platf'in & CounterScales. -ALSO-

JUST RECEIVED, ex ships Capricorn, Baron of Bramber and Rockshire, 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.

# R. H. Brett,

161 KING STREET, TOROSTO.

GENERAL MERCHANT—WHOLESALE

MPORTER of Heavy Hardware, Birming-ham. Sheffield and Wolverhampton Shelf Goods, Eartherware, and Glassware, in Crates and Hlids.

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

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

Toronto, Nov., 1846.

# Mr. C. Kahn,

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

Lines of Railways Surveyed; Macadamized and Plank Roads, Canals, Docks, Harbours; every description of Dramage, Tunnels, and Bridges of Brick and Stone, Iron and Wood, both Pendent and Insistent, with correct Specifications. Sections or Model Maps and Estimates and the true the true cent of constitutions. showing the true cost of construction, founded upon Rules and Principles strictly Mathematical obtained through sixteen years experience and active practice, both as Engineer and Contractor.

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

Peter-street, Toronto, } January, 1847.

# Swain & Co's Hygeian Medicine,

OR, WORSDELL'S

# Vegetable Restorative PILLS,

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

Prepared solely by 3. SWAIN & CO., 65, Youge Street, Toronto, who respectfully call the attention of their Agents, and the Public in generd, to their various other Medicines, particularly and Value; and was cored of that distressing their CARMINATIVE for CHILDREN and complaint by taking six boxes of the Restorative their STOMATIC BITTERS, ESSENCES, Pills. PERFUMERY, &c. &c. &c.

Authorised Travelling Agents.

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

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

# STRIKING CURES. WHO WISHES TO THROW AWAY HIS CRUTCHES !

Read the following Extract of a Letter received from our Agent at Richmond, Dalhouse Dis't:— Richmond, 5th August, 1816.

Mesers. John Swain & Co.,-As Agent here, I beg leave to inform you, that in all cases where your invaluable Pills have been used in this vicin-ity, they have been productive of the most happy results: the rehefulforded to individual suffering in various ways has been almost incredible; therefore I cannot pretend to give a detailed ac-count of their various virtues; but at the same time I cannot forbear mentioning one particular case of a man, who, for some four or five months, was confined to his house, and most commonly to bed, and not able to reach the door of his dwelling, excepting by the use of Crutches,, from the effects of inveterate running sores in both legs; yet, surprising to say, the Pills have entirely effected a cure, and the man is now able to work, and travel about his business, whole and sound: Township of Goulbourne, in this District.

I remain, Gentlemen,
Yours with respect,
P. McELROY.

To J. Swain & Co.,

Edwardsburgh, January, 1847.

GENTLEMEN.-I have now great pleasure in handing you the annexed certificate, from my wife, which will speak for itself. Your General Agent. Mr. Wetherald, desired me to give him a certificate as soon as she was cured, but I refused to do so until she had remained well six months. That period has now claused, and I am happ, to inform you that she has had no return of her complaint, but is in perfect health.

ABRAHAM WILSON.

#### CURE OF OLD-STANDING STOMACH COMPLAINT.

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

To J. Swain & Co.

GENTLEMEN,-For sixteen or seventeen years I was afflicted with a Stomach Complaint, atended with distressing pain and general debility, and for the last two years of the time I was not expected to recover. At that time my husband was appointed Agent for the Sale of your Pills, when I determined to try them myself, and, by persevering in taking them every day, till I had used five boxes, I was perfectly cured, and have remained entirely well ever since.

I remain, Gentlemen, yours respectfully, MARGARET WILSON.

# REMARKABLE TESTIMONY.

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

To J. Swain & Co. Wellington Square, January, 1847. Wellington Square, January, 1847.

GENTLEMEN,—I have been in the practice of using your Pills myself, and recommending them to others, and I have found them to be unequaled and Plank Roads, Canals, Docks, Harbours; every description of Dramage Tunnels. remedy against those afflicting disorders to which mankind is subject.

I am yours very respectfully,

C J. FORSYTH.

# MARK THIS.

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

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

#### CURE OF INFLAMMATION IN THE BOWELS.

Mr. W. H. SMITH, Toronto, was anddenly attacked with Inflammation in the Bowels: in this alarming state he took a few doses of the Vegetable Restorative Pills, and was perfectly cured in four days.

#### CURE OF GRAVEL

Mr. SLATUR, of Seneca, Grand River, suf-fered severely from Gravel, but, by taking a few boxes of the Restorative Pdls, he is now entirely cured of that distressing complaint.

#### CURE OF DUMB AGUE.

Mr. Slater's son suffered a long time from

#### CURE OF LIVER COMPLAINT.

Mrs. Slater suffered for years from Liver Complaint, and tried various remedies without effect: plant, and tried various remedies without effect; she, however, took a box of the Restorative Pills, and, to the great astonishment and joy of herself and the whole family, she is new per-fectly cured, and never enjoyed better health.

#### WONDERFUL CHANGE.

SUSANNAH ZIMES, of Weston, received SUSANNALL ZIMES, of Weston, received an injury when four years old, which made her a cripple for years, attended with an alarming swelling in her leg and body. After receiving medical treatment for a long time, without effect, at last I was advised to take the Vegetable Restorative Pills, which speedily reduced my body to its natural size, and my lameness is much relined; and I am now in a foreway of recovery heved; and I am now in a fair way of recovery.

#### CURE OF CHILL FEVER AND INFLAM-MATION OF THE LUNGS.

Mr. E. DICKSON, of Port Rowan, has been enacely cored of Chill Pever and Inflammation of the Lungs by the use of the Vegetable Resforative Pills, even after good medical skill had

#### WONDERFUL RESTORATION TO HEALTH.

Mr. AVERILL, of the Township of Brantford, farmer, was unable to work during the most of the summer; but, by taking the Restorative Pills for five days, he was so much better as to be enabled to perform a good day's work at cradding

# Notice.

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

# Brewer, McPhail, & Co.,

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

In connection with the above, the 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 Department will be conducted by one of the Firm, Mr. JOHN BENTLEY, who possesses, from many years experience in several of the best houses in England and in this Country, a thorough and practical knowledge of the Profession.

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

Toronto, 9th March, 1847.

# Improved Durham Bulls FOR SALE.

NE, two years and four months old; colour dark red and white, but mainly red.

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

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

THE

# Canada Farmer,

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

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