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Opposite City Hall, F'ton, N. B.

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\$1.50, in advance.

## Agriculture.

NEW EXHIBITION BUILDING.

work on the New Exhibition Building hitherto in the habit of thinking. That on Monday. We have seen the pencil portion comes freely to all farmers like drawings of the Building and think it the sun, that shines on the evil and will be quite as suitable for the pur- on the good, and like the rain, that pose intended as the old one; it is falls on the just and on the unjust roomy and showy and will have a fine But a large part of what the plant appearance. When the plans are reeds it must get from the soil, and completed we will give a more detail- every farmer knows that the same ed description of them.

work is Alexander Thompson, Esq., from the soil with every crop, which as Superintendent. The well-known most of our farmers know nothing energy of these gentlemen is a guar and care little. The product of their antee that the work will be pushed stables they know to be good food for on with vigor.

letter from the President of the Kin- and at others have disappointed the the new settlers-in which he says why the success in one the yearlings from the imported bull failure in the other they have but show great improvement. He looks hazy and probably erroneous idea. forward with pleasure to being present One man has turned up the subsoil of liberty of quoting the following from

low his example in turnip growing: "I have got in a pretty large crop Neither knew before he did it wha been clearing some new land, and the season not very favorable for burning has kept me back, but another two days will see all done, except the wick. This year I will be able to put ten thousand bushels every year I will find a market for them on my own farm. I do not believe in selling turnips off the farm.

BOW PARK HERD, ONTARIO.

We have received the catalogue o tivis fine herd of cattle, which number het ween three and four hundred anias can be got in any country. Our readers will recollect that it was from this herd that a large number of the animals imported in 1875, were purchased. The following notice we take from the North British Agriculturist. which is high authority on all such

matters:catalogue of this now famous collection horses, and Berkshire pigs. The fore, no source of loss. That of which sty le in which the volume is got up is most interesting, being the result of an analyzed pedigree of the it is unnecessary to make any remarks animals. There are only ten whites among the whole 354, the remainder Among the Bates females are 3 Oxfords, 9 Lady Barringtons, 5 Wild 8 Waterloos, 8 Roan Duchesses, 5 Craggs, 12 Princesses, 5 Lady Fawsleys, 9 Knightley Grand Duchesses.

valuable strains of blood. sisted by Grand Duke of Thorndale informed that he is a splendid getter. To Grand Duke of Thorndale 2nd is also a Duchess bull, being from the Warlaby blood, teing from Bridecake,

mals, as, for instance, 2 Mantalinis, 3 process for further exhausting the Fames; 1 Frill, 5 Paulines, 5 Duch- possessions of the soil. The object of a Mantalini bull, stands at the head of

Clydesdale stud." as they appear.

## MCCCITTUCIST.

## WEEKLY JOURNAL DEVOTED TO AGRICULTURE, LITERATURE, AND NEWS.

ANDREW LIPSETT, Publisher.

"AGRICULTURE THE TRUE BASIS OF A NATION'S WEALTH."

VOL. 1.

TERMS: \$1 50 per year, in Advance.

FREDERICTON, N. B., JUNE 29, 1878.

NO. 12.

HOW FARMS GROW POOR.

The soil is the farmer's raw matefood and clothing. Much plant-food is indeed derived from the air, more A large number of men commenced even than scientific men have been thing cannot be made forever from The committee in charge of the the same soil. Something is taken Henry Chestnut, Esq., and A. Edge- if not returned, leaves it so much the combe, Esq., with John H. Reid, Esq., poorer. Of what that something is

land, and they have misty notions about mineral manures which have We have received quite a cheering worked miraculous benefits sometimes. farm : another has, by the same process, almost ruined a very good soil the result would be, unless he learne before him. Turnips, we are told by

our newspaper, work marvels in restoring soils that are weary of bearwon't. Fallowing land, and leaving manure pile has grown larger every it in pasture, are both remedies simply a process for getting at the while it restores certain substances the land may be really poorer than it was, having gained a little of what might have been supplied otherwise but having lost we perhaps do not

tainity and resultant loss arise from ignorance of what every farmer might learn, at least in a general way, from studying a text-book on agriculture and what every farmer's son-who intends to stick to his father's profes sion-should learn thoroughly, by taking one or two sessions at an agri cultural college. It is possible learn exactly what is taken from the soil by every crop, and exactly by what process this can be restored Most of what grows on the farm of short-horns, sheep, Clydesdale turally goes back to it, and is, there-

know how to supply. All this uncer-

it is robbed is the part which actually

very important one to Canada. Western Ontario is now beginning to find what the Province of Quebec found may be gained by those who are ac- fifty years ago, that it cannot produce quainted with the intricacies of pedi- wheat forever, Lands that once yieldgree. The herd has been more than ed a splendid crop every year produce a short spindling straw and a light upon the general merit of the cattle, imperfect head of grain, which save to say, that there is a wonderful very subject to the depredations uniformity of color amongst the animal and vegetable parasites. Ontario must, therefore, soon, as Quebeing reds and roans. Representatives bechas already done, cease to cultivate of both Bates and Booth blood are to wheat. Yet wheat grows abundantly be found, and many of the animals in England on very much older lands have a combination of both strains. than ours. There are certain sub stances of which the wheat plant Eyes, 8 Kirklevingtons, 5 Duchess composed, and unless all these are

Nancys, 9 Roses of Sharon, 5 Acombs, within reach of its roots it will not grow. They must be in the soil, and they must be there in a soluble form. and many others representing less available for use. It is obvious that whatever one of these substances The 4th Duke of Clarence stands at exist thus in the soil in least proporthe head of this immense harem, as tion to the demands of the plant, will 2nd, Duke of Oxford 30th, and Duke be exhausted first, and that the quanof Oxford 38th. The 4th Duke was tity of this one substance will be the bred by Col. Gunter, and is one of the measure of the period during which purest of Duchess bulls, while we are the land will produce the plant in question. The farm may still be rich

in everything else; lacking this it splendid cow Grand Duchess 20th, a will produce no more of the desired daughter of the 4th Duke of Thorn- crop, and no amount of manuring with dale. Her grandsire, however, was other substances will make it a bit Prince Imperial, a bull full of the best better. One process for restoring the one of Mr. Booth's Bliss tribe, and got productiveness of soils is breaking by Grand Duke 2nd, a pure Duchess them up and exposing them to the bull. The Oxford bulls are from the air and frost, by which means many Dute of Devonshire's far-famed herd substances hitherto insoluble are street.

On the Booth side of the house we brought into a form available for use, also find a large number of good ani- but this, as we have said, is only a

agricultural chemistry. A crop of tree within their beat.

THE CUT-WORM-HABITS, PRE VENTIVES, ETC.,

Among foes to Agriculture stands vines, and taking out the germs of the Fruit Recorder. young buds I had never heard of, and would not have believed if I had. But for the past ten years I have been obliged to believe it for like the man who knew there were ghosts, "I have lamplight moving about the trees as nimble as a honey bee; moreover, have taken at one sitting, from under a small raspberry bush, fifty-four just under the surface of the earth, and even more under a young currant bush. some of the peculiarities of this pest. not, to my knowledge, mentioned by the entomologists, and also the means

it is the first to tell, by its lack, upon his diet, but eats with thankfulness The sweet-scented vernal season, to feed it, on experiment, till one CANADIAN CATTLE FOR ENGthe health of the plant. Phosphoric whatever the insect-Providence sends coming early and staying late, and year old. The last three months its acid is easily obtained from phos- him, preferring, however, among growing rapidly and luxuriantly .- feed was principally skim milk and phate of lime, which is rendered ready herbs, the horse-radish, and among Both of these grasses are adapted to shorts, and his girth, at the end of for use in agriculture by being manu- trees, the pear; but any herbs, grass, our rich river soils, if not too low so the year, was 6 feet 5 inches, and he factured into hyporphosphate. The or tree buds answer him rather than as to be affected by the water. Our was so fat that his hips were hardly phosphate is now found in extreme abstinence; he not hesitating in a limestone soil is among the best and discernable. He was slaughtered on by way of Boston, as all the Canadian farming was not only the oldest but abundance in this Province, and close famine to eat the bark in a circle most lasting, producing abundantly the first day of March, 1877, at just steamers were carly engaged for all most respectable occupation known to to it we have plenty of iron and cop- around the small twigs of trees. He almost all kinds of forage crops. But one year old. His live weight was the summer. But although I had to man. "I would rather put him an per pyrites, or sulphates of iron and is peculiarly happy in taking out the it grows most royally its favorite 1200 pounds, and dressed weight 902 go through a foreign country to em- eighty-acre lot that had never had copper which yield the sulphuric acid germ of the bud you have set to change Poa pratensis, misnamed blue grass, pounds; meat 748 pounds, hide and bark my cattle I met with such cour- an axe or a plough upon it, than place

send our phosphates in their crude A good remedy for the evil is to rich and well-drained, and perhaps the butcher for \$90.20. These cases and agreeable. The Steamer Siberia the land?" Agricultural papers will state to Britain and the continent of keep chickens; they have very sharp nowhere so well as in the West. Our clearly show that new milk is not of the Cunard Line is one of four please copy that remark, and farmers' Europe. Green crops, with manure, eyes, and I have no doubt but they shales are good or poor according to indespensible in growing the best steamers that the Messrs. MacIver lads who are growing up dissatisfied are used to keep the land in heart, can tell where the worm is hiding be- the rock from which they are formed, calves, and, further, that the system have placed between Boston and with country life, and who cannot but green crops are vastly more ex- fore scratching. At any rate, in a The Utica slate makes an excellent of giving up the whole milk of the Liverpool, and they deserve every overcome a restless desire to go to a haustive of the mineral substances of young orchard they will go from tree soil, the Marcellus a poor one. What dam to suckle the calf is wasteful and praise for the admirable manner they city and enter a profession, will do the soil than are grain crops, so that to tree without stopping to look be- favors our shales is their generally unnecessary." We remember to have have fitted up these ships for this well to remember it. "Make your the introduction of rotation of crops tween them, and will tear away the excellent drainage, which fits them to urged also, heretofore, through your great and growing trade. Ventilation homes pleasant, continued the Exrenders doubly necessary the study of earth for a foot radius under every grow clover well, and with manure columns, the superior advantages and perfect, water in abundance, and Senetor.—"Make them so attractive

with a view of telling any farmer well for trees. For them, get at the related. Hence plants adapted to zinc, cut in strips with paralled edges, at once be seen how important it is of every farmer whether increase of bend them around a round stick or run that these distinctions he noted and The farmer who stovepipe; bring the ends together, criminate use which can only resul forming a tube of two or more inches in loss. We see the evil even in the likely to laught at the knowledge the earth. Or take tarred or any other instead of at the experience with eight inches in diameter; cut a circle which it is applied. Were the same of about two inches, so as to sever the man brought up on a farm, a very the tree in the shape of an inverted funnel, lap the edges of the circle over each other and pin them together close to the trunk of the tree. This is easily done if the paper be moisten ed and is probably the most effectua

remedy for young trees. About the last of June or early in July the worms have done eating acquainted with him half a century or sooty moth, that often comes in at the window to inspect your lamp l'ake glass fruit jars, fill half full of sweetened water, place them abou the garden or orchard, and you will be none of my business. His habit of years, these pests have on my premises climbing trees, shrubs, and grape greatly diminished .- S. B. Peck, in

SUITABLE GRASSES FOR

DIFFERENT SOILS. The different soils require different grasses. Clay soil is adapted timothy, and will grow the clovers third week, 13.17 pounds; fourth week well, notably the white clover which 13.40 pounds; fifth week, 14.60 veloped readily by gypsum. The best seventh week, 16.71 pounds; eighth I have used as a remedy; not claiming next. It should be cut the first time ing to eat grass. These calves were is in bloom, which finds the timothy milk fed to each, and the gain was oldest inhabitant,,-proverbially ill five times during the season, will do small tree, shrub, or vine; therefore tionable fertilizing dust which accom- regard this experiment with great ter-of fact observer is for once inclin- years, in this way. The fruit is best I conclude it is at such places that the panies the latter cutting. The next interest, not only as showing the ed to agree with that "aged party"; started by slips, either roote or fresh predations, the slow, sluggish things land is greatly improved both in tex- and older, but as showing the value ledge that the present season promises sorts, and the White Grape adds a vation of cabbage. In the Eastern they appear as you turn them out of ture and fertility. Gypsum should al- of skim milk in growing calves. It rather better than of the "splendid more pleasant variety. Set four feet their berth, where they have cut off a ways accompany this crop and be has a value, when properly fed, much years "when he was young." The apart, and mulch in dry weather .cabbage; this I learn by lamplight; sown early in the season so as to get above that usually attached to it." | grass is exceptionally abundant; and Golden Rule. therefore I conclude they emigrate the winter moisture, and early rains Another instance of the efficacy of this is telling surprisingly on the conwith considerable celerity and to quite to disselve it. Fields that are moist, similar usage is illustrated in the dition of live stock and the yield of a little behind time, as it gets too fall growth is left for protection and growth as whole milk." large and coarse for their young and for pabulum in the spring. The rough-

very small quantities to begin with, cut-worm is not very particular about long and many roots penetrating deep. much better that it was determined industries.

This, however, does not answer sandy soil, to which it is more or less ing, the few remaining seed the land usual at three and a half to four years

> SKIMMED MILK AS FEED FOR CALVES

EARLY PROFIT OF STOCK-RAISING.

We have taken occasion heretofore, through the columns of the FARMER to speak of the advantages of feeding skim milk to calves. In looking ioner of Agriculture, a copy of which we have just received, we were conesults of several experiments which testing the merits of that particular tial element of success. method of feeding, but with a view of ascertaining the best capacity of creatures. A correspondent says :-

"I tried an experiment in 1874.

with a miscellaneous lot of ten calves. fed wholly upon skim milk. The milk was all weighed daily, and the pounds; second week, 12.18 pounds; practice is to sow two or three parts week, 16.80 pounds; ninth week grain, as the young grass will twelth week, 15.90 pounds, The decrop the same season, and two the week, was caused by the calves learn-

only, however, when the land is tailow 154 pounds, and was sold to tesy and attention as made it pleasant him in the best Government office in and good culture, most of our dry desirability of securing early growth special men detailed for the express that your sons and daughters will turnips on an acre of land will use one Another good remedy is to use soil plants, but less largely and pro- and quick maturity, as a matter of purpose of watching over the interests love their homes better than any other hundred and forty-five lbs. of potash, wooden boxes. These I make by fitable than they are produced on the great economy in stock raising, when of these non-inquisitive passengers. place on God's earth. Make this busiwhere a crop of wheat will use less cutting two 1x6 inch strips eight soils to which they are especially ad- compared with the old system, which An officer of the ship with a thermo- ness of farming so agreeable that your than four lbs. The turnips will use inches long, and two 1x6 inch ten apted. Millet and Indian corn may has been too much in vogue, of long meter in his hand goes among the sons will see that it is the most healthtwenty-two pounds of phosphoric acid inches long, and nailing together with be profitably grown here for fodder, keeping and slow growth, by which cattle every four hours to test the ful and profitable occupation in which many of our domestic animals may temperature, and it was gratifying to they can engage. Build good houses be said to have eaten themselves up observe very little change, 68 in the and buy good implements. Don't get inches square inside. Put this around on account of the leachy character of many times over. In confirmation of forward part of the ship, 74 near the an old cracked cook-stove, but put in the soil, which is also the case with this view, the writer before quoted boilers, and 66 in the after part. We a good range. In fact have every says: "Many more cases might be docked our ship at 2 a. m. Sunday, convenience that you can, so that cited to show the practical effects of unloaded 300 cattle and 20 horses in vour wives and daughters will deem tinner's scraps of tin, sheet iron, or moist land will not do here. It will high feeding at an early age. It may three hours, and after undergoing 12 it a pleasure to perform their housebe stated as an established fact that hours' quarantine they were removed hold work. In this way you can calves, according to breed, may, as to the market, and all were sold by 11 bring up your sons and daughters on

> of age, under the old system." And further: "Nature has most clearly pointed out to us the road to success in cattle feeding. It is found in this law that the young animal takes the least amount of food to produce a pound of growth, and that, all other things being equal, each succeeding pound of growth on live weight up to maturity of the animal costs more than the preceeding pound. over the last report of the Commis- This has been established by so many facts that it may be laid down as law. Hence, in feeding animals, as siderably interested in reading the in other things, the shortest time consumed in reaching a given weight, or the desired result, is a most essen-

> This reminds us, by way of contrast, of a fact which happened in a neighgrowth and early maturity of young boring town, of a person who had kept one and the same hog for seveal years, without any gain of weight or other profit whatever, for a long time; finally he concluded to kill it, and accordingly engaged a butcher. When a butcher arrived he found the water hot with which to scald it; but the owner had repented, for, said he, "I have got to keep some hog to eat my waste feed, and I have got used pounds; sixth week, 15.05 pounds; to this one, and may as well keep this as any." JOHN N. BARTLETT. So. Royalston, Mass., Feb. 4, 1878.

E WEATHER AND CROP PRO-A run through the country at this (the second season) when the clover each weighed separately, as was the factory and encoraging one. The ing at their re-appearance for four or

know or think it useless to climb any year after year, for an indefinite of six months, 1340 pounds. Their sell, and that consequently prices will the case that farmers have not only dead matter to seek for food. For length of time with the latter, and food was sour milk, of which it is go down to a low figure. Pity that begrudged the cost of the services of very valuable Clydesdale mares have the phosphoric acid, which is needed almost black and mixtures of all shades aftermath, for it should be cut before ing them for oxen. At 81 months old worth still more when a higher stan- may seem at first sight to be an ano-

LAND.

(To the Editor of the Toronto Globe.) that the animal shall also have arrived could get such a liberal supply of lords of creation. These are plain at the same stase of maturity as is animal food.

> Yours, etc., G. F. FRANKLAND. Liverpool, May 28.

CURRANTS. - What a faithful friend the old fashioned currant is! It survives neglect, bears fruit with reguarity, never winter-kills nor mildews resists the competition of weeds and the robbery of grass, and with a little nelp will triumph over its the system, with its sparkling acid sweet! What the apple is to fruits the currant is to berries-sturdy, faithf.il, reliable, easily grown, health-giving. And yet the currant repays care as well as the daintiest berry; and the choice, large, new varieties show that it is susceptible of improvement Take the form in which it is most commonly grown—the bush—and cut out the old stocks, thin out the splinding growths, cut back the vigorous them as clean as you would a row of strawberries; give them all the old chips from the wood-vard, with mixture of ashes and manure; and quantity and quality of the berries will be increased. That destructive pest, the currant worm, can be des troved, and the bushes preserved in all their greenness, for a few shillings expense and by a very little care. little powdered white hellebore sifted on the mind, and that a very satis- first appear, with an additional dust- place with a little care and skill, and We find them in the spring just heading out, making a clean, tender very unequal in lot; but the result to please—has never seen anything business effectually. We have predictions than they do.—Journal of Chemunder the surface near the foot of a hay of the grass without the objec- stated is the average of the ten. We like it; the shrewdest and most mat served a splendid row of currants for istry. moth lays her eggs. They are not, at crop will be of aftermath, of a better gradual increase of cost to put on and the veriest croaker from Halifax cut, and grows quickly. La Versailles, be kind enough to furnish some infornight, when they commit their de quality still. At the same time the live weight as the animal grows larger to Vancouver is compelled to acknow- Red Dutch, and Victoria, are the best mation in regard to the proper culti-

THE BREEDING OF HORSES .- In an the many useful hints to be found in a distance if necessity requires. Stupid as clay soil often is, will do well with case of a pair of grade Short-horn milk and butter. So far the other article on the recent demand for our for one, and, I have no doubt, many and innocent as they appear by day, timothy and redtop mixed, and if the twins raised by William Wallace, of crops are in a most gratifying state horses from abroad, the American Agri another also, will feel very grateful they are great climbers by night, and land is rich, especially land between Grant Park, Ill. They were dropped of advancement and abundance; and culturist, in giving some hints on for any suggestions which may throw can climb out of a tin box to get away hills that receives their washings, it April 2, 1870, and weighed on the the only fear of the methods of improving our stock light upon the subject of cabbagefrom you, but they have the sense to will yield immense crops, and this. 2d of October following, or at the age be that he will have too much stuff to says: "It has been too frequently raising for man and not for the insects vegetation that starts early they are with the former for a long time if the aid truly, "this produced as fine a he could not be protected from a good sire, but they have also reserv. titres has been given up by many harvesting more than he knows well ed for breeding only the poorest people as a failure. There is no diffi-Another case strikingly illustrative what to make of, and then selling it of mares, lest the better ones culty in growing them, particularly delicate stomachs; therefore they are est meadow grass (Poa trivialis) finds of the same results, occurred the past for "next to nothing!" His friends might be forced to lose a few in low-lands, so long as plenty of more sure to attack trees the season also a home here. To apply these year, (1876.) "It relates to a grade of the "National Policy" sometimes weeks work in the spring. Spavined, manure is to be had, but it is almost they are put out, and if the trees grasses and others like them to sandy Short horn calf and its mate, fed seem to urge him in this direction, wind broken, worn-out mares, have impossible to prevent their being survive the mutilation it is by a new soil is in general to fail. There are wholly upon skim milk. The calf but happily with little effect. The been used for breeding, until a vast eaten up by cabbage moths, or what or forced set of buds, coming about exceptions where the land is rich and was dropped March 1, 1876. At four ordinary Canadian yeoman knows number of horses are constitutionally are usually termed caterpillars. Some the last of June; of course the branches the season moist; but then other years old this calf weighed 160 pounds, that a year of abundance is always prone to disease, and are of little people succeed by the almost constant are late and weak and backward, the grasses will do better, among which and was purchased by C. H. Farnum, best for him, though prices may not value from their birth. It costs no use of slacked lime, ashes, road dust, next spring, just in the condition the the orchard grass (Dactylis glomerata) of Concord, N. H., for a mate to an- rule high; and at any rate he is too more to raise a good colt than a poor and other more costly articles, but it worm wishes, and not until the third leads; this whether for pasture or other one that weighed, at the same wise and too reverent to rail at Heav- one, and if farmers would keep a does not pay unless the vegetable is age, 205 pounds. His purpose was to en and grumble because his barns are good brood mare or too, and would grown extensively. Market-gardeners But orchard grass has this objection raise these for oxen, if they should too small, and the prices of wheat secure good sires, a mare might be succeed by raising large quantities Entomologists tell us there are (to many) that it requires not only a grow alike in form and size. Their less than he would like. The country made as profitable in her increase as near cities, where they can get all the esses of Dereham, &c. Vanguard, a the far ner should be to find out what several varieties of the cut-worm, a rich but a very rich soil, and then food was exclusively skim milk, but prospers, and he is pleased and profit two good dairy cows, without con, manure they require without charge, he is exhausting, and to see that that statement which I will by no means there is no grass that pays better for it soon became apparent that the 160- ed too. The poor have plenty of food, sidering the value of her work, which. but they keep at the cabbage almost also a large number of Cotswold and is, if possible restored. In our wheat deny, but I see no difference except in the outlay allowing of three or four pound calf was outweighing the other, and the general quiet and contentment at the least, will pay for her fee d Border Leicester sheep, while some lands what usually disappears first is color, which is from pearly white to cuttings in a season, in the form of and he abandoned the project of rear- are worth much even in cash and It is an established fact, although it with the cabbage moth.—Ed. Witness. recently been sent from Scotland, to build up the bones and feeds the between. The very dark ones have a the stalk pushes up. For grazing it the one originally the largest, but dard is taken. It is now all but cer- malous one, that the more we substiwhich, along with the others, are intended to form the neucleus of a brains of animal life, and which, distinct stripe along the back; and I is, if anything, still better, affording, now the smallest, was slaughtered. tain that there will be no war, and tute railroads and steam-engines for potash, and farmers cannot make a though it is little used by the rest of have sometimes found these dark in consequece of its rapid growth, a His girth was 5 feet 2 inches, and his at this every man of right feeling will horse-power, the greater demand we mistake in applying to the land on the wheat plant, is abundantly re- striped ones (or a very near relation) fresh, tender herbage, pushing forth dressed weight 522 pounds. This will also tend to keep create for the services of horses. which they are grown either ashes or It is not only for the beauty, but quired for the grain itself. As the under the wollen bands I have put an inch a day. Perhaps no grass a remarkable dressed weight, as its down the price of breadstuffs; but it Horse-power is, after all, only a commercial fertilizers that contain a the health of the plant requires that grain itself is what is sold off the farm, around the trees for the apple worm. withstands the dead leaves grain itself is what is sold off the farm, around the trees for the apple worm. Withstands the dead leaves grain itself is what is sold off the farm, around the trees for the apple worm. in house plants, all the dead leaves and faded blossoms be removed as fast and the substance is usually there in Unlike most other insect pests, the fits it all the more for a sandy soil, its pounds: but the other calf was so quicken trade and revive languishing steam-power we use, the more horse- cheapest in muriate of potash, being power we shall need to supply it."

BOOK AND JOB PRINTING

of all description

EXECUTED ON MODERATE TERMS.

ordered out, and charged the full

HARD SENSE. - Ex-Senater Chandler

had something wise to say about farming, as well as something significant about politics, when he address-SIR,-My first cargo of Canadian ed his neighbors at his farm in Michicattle this season had to be shipped gan, not long ago. He declared that words, but they are crammed with

> KEEPING BUTTER,-Farmers are certainly slovenly in making and preserving butter, and much that comes into the market is very inferior in quality; but if a good, sweet, cleanly article is purchased is is often spoiled by the conditions under which it is kept by the purchaser. Butter is a substance extremely sensitive to surrounding influence, and any odors in the vicinity where it is stored are rapidly absorbed, even if it is in a closed firkin. Great complaints is often made by the purchasers of the "gilt-edged" butter, produced from the famous dairies in the vicinity of this city, that the enormously highpriced article is soon spoiled after delivery to the customers. And no wonder! It is often placed in an uncleanly ice chest along with cooked or uncooked fish or meats and other odorous bodies, and it soon smells and tastes like the unsavory substances with which it is associated. If not placed in the ice chest, it is often put in a celler with decomposing vegetaste and odor are soon changed. butter, and it will not do to trust it to the Bridgets of the kitchen, who knows nothing and cares nothing. Those fond of the delicate freshness have a cool place in the cellar, where it can be kept apart from everything else. The wealthy can furnish a

THE CULTIVATION OF CABBAGES .-Will you or some of your subscribers. sections of Ontario the cultivation of this vegetable has been almost entirely discontinued, owing to the ravages of insects. &c. Farmers, horticulturists and others are not a little benefited by

Potatoes require a good deal of 50 per cent of actual potash.