SATURDAY by

ANDREW LIPSETT,

at the OFFICE ON QUEEN STREET,

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

\$1.50. in advance.

Should the subscription remain unpaid months from the time the first paper is sent to the subscriber, the price will be \$2.00

Agriculture.

We solicit correspondence from ou various branches will receive particu- the rule, and the power to impose the 3£ per bullock, thus slaughtered, not vate and improve his profession. | ferent branches of the case exhaus- he lost only six cattle. Unless very There are many practical farmers who before the Committee it is impossible the do not deteriorate; on the conare well able to impart information to send it at length until the proceed- trary, some actually improve in in the work they are engaged in, and ings are printed. we intend to make the Agriculturist getic agent of the Dominion Govern to England. The shippers of dead their experience would benefit others; able for his purpose and such kindred to his painstaking action in the mat- meat trace himself, but it was his assistance will be the aim initation of a trade in live stock and live cattle to England must cease. of the AGRICULTURIST, and dead meat between Canada and Engentitled to, both by its natural capa arrived in Liverpool in February, forced to take their cattle to the Unibilities and the character of its people. 1874, and he had carefully examined ted States markets, where they are

not necessarily for publication, but as No important improvement in the sya guarantee of good faith. We do stem of refrigeration had to his know not undertake to return rejected con- ledge been introduced during the last tributions

CANADIAN CATTLE TRADE

WITH ENGLAND. During the past year there has been from 7,266,200 lbs. in May to 3,623, a great deal of agitation in Britain in 480 lbs. in June, 3,121,015 lbs. in July regard to the cattle trade, the farmers demanding protection from disease, was appointed to make enquiry and warehouses fitted up with refrigeravast amount of evidence tors in Liverpool for the storage of or so many restrictions placed on the the hands of a few men, resulting distrade that it almost amounted to that, advantageously to the Canadian pro-Commission reported recommending monopolies would be extended to the be ranked among the things that One thing he wondered at, was where certain restrictions and that all cattle shipment of live cattle. The numimported from abroad be slaughtered bers of live stock shipped from Monat the port of debarkation The Gov- treal during last season were 7,655 House of Lords containing these pro and as it placed Canada on at \$9,000. Forty thousand dollars the same footing as foreign countries, was paid for material and labour for stock between the Dominion and the matter and by telegraph remonstrated \$13,172,382. Canada exports large to take the matter in hand for the these numbers are increasing. In a bulkier crop from dunging in the ture" at all, they would not long by not buying the rams; and yet the Dominion, which he did, much to its advantage. The bill was referred to subject to a duty of twenty per cent. Lords. There is no doubt now but ed Canadian herds. Mr. Dyke thought the stubble in autumn. He had read whole. that the Dominion will be exempt that if disease did present itself the with surprise in the North British from the operation of the bill. The tle are housed and no contact takes Agriculturist of extraordidary manur- of sets do you use, Mr. Guild?

"Sir John Rose has taken great interest in this most important question of the Dominion Government he had for Canadian farmers, and for the great extent this result will be due to Sir John Rose's efforts.

Sir John Rose gave evidence at for many years systematically given that she had now become a great stock-producing country, and was as much interested in suppressing cattle disease as Great Britain, extensive powers having been given by Parliament to the Government to that end, which powers bad been very

JOURNAL DEVOTED TO AGRICULTURE, LITERATURE, AND NEWS.

ANDREW LIPSETT, Publisher.

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

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

VOL. 1.

FREDERICTON, N. B., MAY 4, 1878.

ordered out, and charged the full time it has NO. 4.

no more reason for insisting on the pulsory sale, placing shippers at the the Chairman that they must grow the plant growing, and these were slaughter of cattle at Liverpool than mercy of local butchers, and thus rethe best quality of potatoes to hold also of excellent quality. A relation so long as feeding brought out the on cattle sent from the Isle of Wight sulting in loss. He had slaughtered their own with the foreigner in the of his, who cultivated one of the best points of a tup and big prices were to Portsmouth or any other town in cattle upon arrival at Liverpool restrictions the exception only, and including freight and comu ission at The evidence went over all the dif- light; during the whole of last season

Mr- John Dyke, the able and ener- Canadians engaged in shipping cattle ter. Mr. Dyke stated that he had de- opinion that if the proposed Bill voted a great deal of attention to the comes into operation the shipment of first large shipment of fresh meat sent | markets would to a large extent be the various system of refrigeration subjected to a duty of 20 per cent. ad

POTATO CULTIVATION.

He made arrangements for the not be sent in a dead state.

and modes of transport of live cattle valorem.

the shipments of dead meat decreased

sheep, valued at \$115,000; 315 horses,

valued at \$92,000; and 426 hogs, valued

In proceeding to discuss the sub- but they might materially modify its take the risks. ject, he (Mr. Robertson), hoped mem- effects by planting potatoes in land would entirely supersede that of live months. In the summer of last year 1,192,421 lbs, in August, September were exported, and in these months they could not keep their place in the the potatoes than when the tempest be ploughed in deeper than 6 inches, arrival in England. There were no vinced that if they had many more autumn manuring. Like Mr. Guild, for the potato crop. ducers and the British consumers. such years of disease as last, potato he had been astonished to read of the

But it was not probable that such cultivation in the county would soon monster manuring in Mid Lothian. to frost for potatoes. He maintained drill, but preferred to run his drills as said some parties thought that fiscal year ending June, 1876, was potatoes. He favou ed autumn ma considered that there was no better an art 1874 there were 39,623 cattle and drill in spring and having the manure grow potatoes successfully and also could scarcely help themselves. following particulars we take from the place with the cattle of other farms, ing applied to the prize potato crops are sufficient quarantine to stamp out of the western district of Mid Lothian. the tubers are too small to be divided. "Sir John Rose has taken great in- any infectious disease that might be He should never think of applying I take a bit off the "rose" end. endeavored to divert this trade to with artificials over and above. He his experience in the growth of pota-

as formerly, when cheese and butter- they deposited the plant at a greater of them diseased. His first experi- cussed. And if all these clubs came system of rotation and cultivation, weight of roots, 12 lbs. or 15 lbs. of ducks and geese are raised. These reat length, in which he pointed out the encouragement which Canada had raising. He had carefully watched the plant at a greater of them diseased. His first experts that the encouragement which Canada had raising. He had carefully watched the plant at a greater of them diseased. His first experts the ducks and geese are raised. These ducks are proverbially watched raising. He had carefully watched raising. raising. He had carefully watched the trade, and was of opinion that if quired longer to come up and was nured with the dung made by some richer from year to year and all you for many years systematically given the trade, and was of opinion that if the trade, and was of opinion that at the port of debarkation the trade They could not, in his opinion, bestow &c., and very rich in nitrogen, at able to find some remedy. If they fertile a farm was, would be to inquire or peas are too heating for such young sweep off the fowls and turkeys, geese would cease To his own knowledge too much horse labour on the potato. about fifty tons per acre. The pro- would pursue a course of this kind, it how long it had been tilled, for this subjects. The colt should have plenty and ducks, which are not subject to the shipments last year were perceptibly checked in anticipation of by this he meant that before the ceptibly checked in anticipation of stock is more than sufficient to make ceptibly checked in anticipation of by this he heart that before the duce was funded, and, atthough the proposed Bill. The loss per head plants came through they should har the regent variety, they were so large up for what is taken away in the shape of the lies in a densely populated Great Britain and the proposed Bill. The loss per head upon cattle slaughtered at Liverpool he estimated to be from £3 to £4.

The loss per head upon cattle slaughtered at Liverpool harrow again. They would find that cattle food. His next experiment agement of shows were to give prizes the regent variety, they were so large up for what is taken away in the shape of market products. In practice, how again. They would find that cattle food. His next experiment agement of shows were to give prizes the regent variety, they were so large up for what is taken away in the shape of market products. In practice, how hour daily. The sooner these colts suppose there was little room, more no instance of disease in Canada, and mr. W. S. Williamson, of Toronto, to be a great saving of hand labour was with about 40 tons of pure stable for underfed rams, it would be one for a poor one. Many farmers will are handled the better, and the disease in Canada, and mr. W. S. Williamson, of Toronto, to be a great saving of hand labour was with about 40 tons of pure stable material to the square mile. no instance of disease in Canada, and of expense. Some people were dung alone, which produced 24 lbs. of the square mile and of expense. Some people were dung alone, which produced 24 lbs. of the square mile that assertion he supported by a said he had been brought up in the interpretation by a said he had been brought up in the interpretation. this assertion ne supported by a said ne had been stought up in the soil, lengthy and minute reference to the evidence of witnesses examined last evidence of witnesses examined last session, as well as recent communication. In that of the potatoes to every five yards of the without exercise the young stallion to the habit of top-dressing their potatoes to every five yards of the but they will even let their land lay without any crop upon it, thus deprivation and of expense. Some people were dung alone, which produced 24 lbs. of which in the United States. In the interior ducks and geese can be raised auctioneer at Hawick, and to Mr. without any crop upon it, thus deprivation about as profitably as other kinds of the continued regularly. Without exercise the young stallion without any crop upon it, thus deprivation and of expense. Some people were dung alone, which produced 24 lbs. of which in the United States. In the interior ducks and geese can be raised auctioneer at Hawick, and to Mr. Without exercise the young stallion drill, or at the rate of 15 tons 11 cwts., and to Mr. Without exercise the young stallion drill, or at the rate of 15 tons 11 cwts., and to Mr. Without exercise the young stallion drill, or at the rate of 15 tons 11 cwts. In the nation of the soil, the originally stored up in the soil, the original stored up in the soil, the o session, as well as recent communica- ping Canadian cattle to Great Britisher, the secretary of the Border tions to the same effect from Canada; tain since July, 1876 In that year not approve of that either, unless the poultry, and where diseases prevail, tions to the same effect from Canada; tain since July, 1810 In that year that the trade in live stock was be- he shipped to England to the extent plants were looking sickly. Several quality. His third experiment was union to the same effect from Canada; tain since July, 1810 In that year quality, and who said that the trade in live stock was be- he shipped to England to the extent plants were looking sickly. Several quality. His third experiment was like the property and who said in the shipped to England to the extent plants were looking sickly. Several quality. coming a rapidly increasing one; that of \$150,000, and the success which at growers made the drills only 25 or 26 with 40 tons of stable manure, and 8 he had been working against it all is being washed into the nearest brook horse. Canada was subject to heavy duties in tended the venture warranted the exsending stock and agricultural prosending stock and agricultural pro- tension of the business in 1877, when ducts to the United States markets; it amounted to \$250,000. His firm 29 inches apart. This enabled him to designated phospho-peruvian guano, that if they would send a deputation without any compunctions of conducts to the United States markets; it amounted to \$250,000. His firm and that in the present depressed state had begun operations this year, and, widen the plough when putting the latter it would be a state had begun operations this year, and, widen the plough when putting the latter it would be a state had begun operations this year, and, widen the plough when putting the latter it would be a state had begun operations this year, and, widen the plough when putting the latter it would be a state had begun operations. and that in the present depressed state had begun operations this year, and, bolic acid, Persian insect powder or both of shipping and agricultural in- providing no further hindrances were soil to the potatoes, which had the of line and alkaline salts, &c., chiefly this year should be the most contenterests it would be used to the right direction. But the its sensations of poverty originally ted. No matter how prostrated trade of the drill soluble, the nitrogen being equal to the inflicted on Canada, and without any reason whatever, if compulsory slaughted to amount to nearly reason whatever, if compulsory slaughted to amount to nearly reason whatever, if compulsory slaughted to this country, he expect to this country, he expect to this country, he expect to the soil than may become there is a consoler deal to the reason whatever, if compulsory slaughted to the reason whatever, if compulsory sl reason wnatever, a compaisory stangared the trade to amount to nearly ter at the port of debarkation was in- one million dollars. He was confi. water off the drill. Whether this had which produced 34 lbs. per five yards, clubs, and if this were done, there ter at the port of debarkation was in- one million dollars. He was conn. watch on the farm being a poor one, as it sets free more matter mand for the products of the farm. lice, and the eggs are lost, to the chaster at the port of debarkation was in- one million dollars. He was conn. watch on the farm being a poor one, as it sets free more matter mand for the products of the farm. It is locked up in the soil, and one million dollars. He was conn. The forge may grow chill, the loom grin, and sometimes to the perplexity and he moved that the shipment of Canadian anything to do with the circumstance of the farm. It is locked up in the soil, and one million dollars. The forge may grow chill, the loom grin, and sometimes to the perplexity and he moved that the shipment of Canadian anything to do with the circumstance of the farm. It is locked up in the soil, and one million dollars. The forge may grow chill, the loom grin, and sometimes to the perplexity and he moved that the shipment of Canadian anything to do with the circumstance of the farm. sisted upon, as that was equivalent to dent that the snipment of canadian anything to do not the form against it, and he moved that assimilates a greater quantity from case its active motion, and the anvil of the convergence of the convergen the nature of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries ing of cattle at the port of debarkation of Canada and European countries in the cattle of the cattl of Canada and European countries ing of cattle at the port of debarka. Which sent foreign cattle to Great tion would crush the trade. Compul. disease than there was on several was a fine sunny and warm one, with he had mentioned. (Hear hear.) Britain. He argued that there was sory slaughter virtually meant com- farms around him. He agreed with just a sufficiency of moisture to keep Mr. Elliot seconded the motion,

England. He also dwelt on the re- which had become weary upon the southern markets. A potato merchant farms in the country, and who was got for them, so long would they constrictions proposed on the importation voyage, but which in other respects told him the other day that foreign second to none as a potato grower, tinue to be overfed. friends throughout the Province, on of stock or breeding cattle, urging were perfectly sound, under the most growers were introducing the victoria said he tried to grow them without a The Chairman said that people all matters relative to country life. that the proposed provision should be favourable circumstances he lost a and other favorite varieties of seed; large percentage of ammonia, but had going to sales could not help buying The business of the Farm in all its reversed by making free importation penny per pound, or in round figures and with soil and climate as good as failed. His system was to grow them these overfed rams, because there was in East Lothian, it was not unlikely after lea, to which he gave four nothing else to buy. He had never showed that no owner of valuable London market. This loss absorbed that this meant a rather blue look-out ploughings, including the making up heard one single person speak in favor animals would risk sending them to all profit on such cattle. The death for Haddingtonshire. Still there was of the drills and covering in, and, of them. It came to be a question who desire to advance and improve Great Britain under such conditions. rate whilst on ocean passage is very no falling off as yet in their acreage although he did lose a crop occasion- what breeder would have the pluck to under potatoes, and he sincerely ally through an excess of nitrogen try bringing in underfed stock. If hoped they would this year have a and moist seasons, still it paid. This two or three of them were having better crop than last-(applause). | year his break was three-years-old their attention called to it, he had Mr. Elder, Bereford, said one great grass, ploughed, as he had stated, doubt that arrangements might be transit. There were many other mistake made in East Lothian was with 5 cwt. of Ichabos guano contain- made for bringing in rams in the the planting of potatoes on some of ing 14 per cent. of ammonia, equal to state in which farmers wanted them. ment at the port of Liverpool, was meat were not altogether satisfied their white clays, which were altoa medium through which such ex- the next witness examined. Mr. Dyke with the success of the venture, and gether unsuited for such a crop. Even Although he was satisfied that a large to have the matter brought before the perience may be made useful. The has for several years past exerted the opinion of practical men in Cana- on the land considered most suitable, percentage of nitrogen was provoca- farmer's clubs in the district. farmer feels the keen competition of himself for the advance of the great da was, that under the present system he had observed that the crops were tive of disease, yet the risk had to be the present day as much as the business man, and he requires all the adthe opposition effered on behalf of during the approved that to the fact that it ness man, and he requires all the advantages to be derived from good Canada to the Government Bill, to was chiefly owing to the compulsory his opinion, the land was becoming they were rewarded. No doubt the management, the most improved mode gether with the getting together of sale upon arrival, which often occurs potato-sick. Twenty-five years ago, discovery of Schlosing, "that low tion what breeder had the pluck to try diminution in the yield they applied might come in contact with the aka- the country. If the farmers were to ncreased quantities of stimulative line matter of potatoes and turnips, stick to these, it would soon bring up manures, which he believed had also and produce fermentation and conse- the prices to far more than the overthe effect of stimulating disease- quant decay, yet as that appeared fed ones

from the American continent, which cut off, and Canadians would again be about one half of his potato crop at were they to halt their work of pro- farmers should discuss the evils of the time of "bulking up" with those ducing the largest crops of pota overfeeding both to the purchaser and ight manures-the other half got toes and turnips possible because of the breeder, and it would do a great tion than in the other. He did not their crops, and he thought as potato but appearance, and the purchaser believe they could prevent disease, growers they should do likewise, and paid for this appearance and did not

The Chairman said he did not apbers would consider what kinds and after lea which had been in pasture; prove of ploughing dung deeply into ram is not fed at all. It is said that quantities of manure were best, and at and by running their drills east and the stubble early in autum. Farmers like produces like; and so, would what time they should be applied; west so that the dangerous storms fequently ploughed dung into the ram small in stature and bone proalso what varieties of potato were and fogs which they generally ex- stubble (somstimes using steam-power duce as good an animal as a well-fed most advantageous to cultivate. It perienced from the east would drive for this purpose) to a depth of nearly ram does?

portations. It was only by growing Mr. Durie advocated dunging on more valuable properties being lost to agreed to, and the Secretary instructthe best quality that they could hold the stubble, not so much that it would the crop. Potatoes were not usually ed accordingly. their own. This year they had not produce a heavier crop, but because it themselves put deeper than 31 inches:

nearly got in London the prices they was a great saving of labour, and was how, then, could the crop benifit from had expected with such a limited pro- generally attended with less disease manure buried 8 inches below the erators are patented and are controlled portion of the home crop sound and than dunging on the drill. Even sets?—(hear, hear). He supported marketable, and they had had a very though there were plenty of time for Mr. Durie's view, that they should bad potate year. Indeed, he was con- dunging on the drill, he should prefer pasture their land at least one year

they got such quantities of dang-(a At last meeting of the Gala Water Mr. Guild, North Berwick Abbey, laugh). If they applied as much in Farmers' Club-Mr. Small, banker. introduced a bill into the cattle, valued at \$1,150,000; 9,555 held that there could hardly be two East Lothian, they would have little Galashiels, presiding— r. Elliot. opinions on the question of ploughing but "shaws." He did not agree with Hollybush, introduced the subject of early and getting the land subjected Mr. Elder as to the direction of the the overfeeding of rams. Mr Elliot it was looked upon as a death blow to stalls and pens for the animals while that the land could not be two fine for nearly as possible north and south, breeders of rams had the whole power dly growing trade in live on the ship, and \$44,000 for food. postoes any more than for turnips. enabling both sides to catch the sun for remedying the evil in their own considered that the Dominion Gov. value of animals and live produce ex. of autumn dunging on the stubble, beginning to "root" than when they rams had more power than the sellers. at once took action in the ported from the Dominion during the and spring dunging in the drill for were newly through the ground. He Whereever there was a demand for nuring, which was a great saving of preparation for the potato crop than to be produced, but if the demand falls the threatened injustice to the Domi- States. In 1873, 25,038 cattle and labor, particularly on the maller to pasture their land for a year or two. of, so would the supply. They had Sir John Rose was also asked 319,413 sheep were exported, and farms. He believed they might get On most farms, if they did not "pas- the best remedy in their own hands, a select committee and has been again ad valorem. Nothing approaching an whether the quality of the crop would He generally cut the bigger potato driven him to breed a good deal of under consideration of the House of epidemic of any kind has ever attack be so good as it was after dunging on sets, and planted the smaller ones his own rams. They could not go and petition the breeders of rams. Mr. HARPER, Snawdon--What sort because so long as they could sell their rams in an overfed condition Mr. Guild-Cut sets usually. If they would do so. He had not much to say on the subject, but if anything

were to be done to effect a remedy he Mr. Riddell, Corshope, thought that interests of the Dominion generally, endeavored to divert this trade to had found that if he put on between toes had been confined to light sand there was another way of looking at and has made himselffully acquainted with every detail bearing upon the work and the control of question. His influence has been most usefully exerted, and if Canadian cattle are admitted as proposed, to a long with them—the clubs at Cala long with them the clubs at Cala long with the cl

Mr. Snow, Pirntation, thought that

Mr. Brown, Edinburgh, approved

get what he wanted.

Mr, Stewart, Collielaw-Suppose

quire to be particular regarding the When the rain beat on the broadside their dung beyond the reach of the bone and muscle; and overfeeding quality of their potatoes, otherwise of the drill it was more apt to sink to potato. In autumn, dung should not produces nothing but fat, and not bone

IMPROVING WORN FARMS.

The laws of Nature are all favorable

to the intelligent farmer who under stands them and brings his operations into harmony with them. The method of enriching farms is precisely the same as that employed by individuals world. The man who is successful in acquiring wealth earns every dollar that he can, and whenever he gets a putting it out upon interest. Just so the farmer who understands his business saves every ounce of vegetable in catching, other material of the same universe, oxygen, is constantly going about seeking what it may devour. an animal in the crowded city, oxygen ticularly good, and his mother a firststruction, tears down the solid tissue. to do is simply to employ what vege- fresh and good, he should have dry table matter he already has on his fodder, either cut or long; and,

parations to meet the demands of this new trade by improving the breed of or artificial manures. The potato be- was in nitrogen, the more abundant along with them—the clubs at Gala- waste material in the shape of manure, tuted. A strong early foal, now nearnew trade by improving the breed of their herds and "steering" bull calves instead of slaughtering them proved of planting deep in the soil. If sunless years, the greater the quantity and get the matter thoroughly dis-

common storehouse.

HUNGARIAN GRASS.

Hungarian grass is a good selection rutabagas, or other food rich in carbo-

garian grass should be well prepared drink it and live. And see the tree so that it should be fine and light, smile and raise its head. Do not The seeds of this grass are small and neglect your trees. sensitive about germinating. If plan-

HOW SHALL THE STALLION FOAL BE REARED.

It is specially imperative that young entire should be kept constantly growing, should receive no check muscle and constitution. This car ed dietary. Whilst still with his dam rate nurse, a pound of bruised linseed cake should be added. Even at this and no new ones have taken their and returns it in a gaseous form to the common stock in the great laboratory early age he may have the head-stall places. If this remedy will prove effective it ought to come into general of Nature. In a word, wherever de- customed to be led about, and stand composition, combustion or respiration tied up. After weaning, when colts but also on the farm. Farmers hens is going on, the forces of Nature are are very apt to fall off in condition, are very apt to be afflicted with lice, at work restoring what has already the youngster must be carefully fed. been used in the vegetable kingdom Having already learned to eat oats, communicate them to horses and cows back to the great manure pile of the the supply will be increased. Unless There is no doubt that lice are very world. And all that the farmer has the clover or vetches are particularly injurious to hens, and that it is both farm in assimilating matter from this throughout the winter, will be much the better of a few pounds of swedes

THE BUSINESS OF FARMING NEVER new nest with clean straw or hay,

TRANSPLANTED TREES.

BOOK AND JOB PRINTING

EXECUTED ON MODERATE TERMS

RATES OF ADVERTISING.

nserted for 6 months 0r 1 year on moderate

The number of weeks an advertisement is

to be inserted should be clearly stated. When

Having given in last week's paper for either Summer or Winter feed for some directions for transplanting, we cattle and other stock, as it produces offer now a few hints on the care it a large yield of rich herbage if cut be- is necessary to bestow after the trees fore it gets to old. As it comes into are successfully set, Evergreens, if blossom and afterwards it is very much three or four high, or over, should inclined to develope woody fibres in three or four stakes around them, and its stems. Hay made from this plant a rag or leather on the tree, with a cut after flowering, contains about 30 cord to fasten them to the stakes to per cent of woody fibre which is so prevent the wind from swaying them. very harsh as to be objectionable on Stretch gunny sacks on the stakes on the score of health. If cut at the be- the south side of the evergreen trees, ginning of the flowering season, or a to keep the scorching sun off in dry, little while before, and well cured into hot weather. At such times a good hay, it is just about equal in nutrient sprinkling of water in the evening is properties, pound for pound, to the a good thing. A tree is a living thing cereal grains, and as much oily matter. - may one not say being? It has a but is not so rich in starch and other source of feeling, and a wisdom of supporters of respiration. For soiling growth and production. When one it will produce more milk and make amputates a limb, if in the opinion of a better balanced food if fed in con- that tree that limb was necessary and nection with fodder corn, than if used useful to itself at work to reproduce alone—the fodder corn having an ex. | the limb, provided it has the material cess of starci, etc., which is lacking at hand to spare to make another. So The ground for cultivation Hun- but the roots of the tree, where it can

Deciduous trees, fruit trees, treat in ted in a cold, clammy soil they will the same way, except they need not not rot, and if worked in too deep be staked if they are small. But get they will fail to sprout. But an ill a roll of building paper-such as carsuccess can be expected from a cold, penters put under the siding of houses lumpy soil. If drilled in, 3 pecks of tarred, paper—cut it in strips large seed to the acre will be enough. If enough to go around the tree loosely sown broadcast, 4 to 5 pecks, accord- and lap over an inch or two to make a ing to the richness of the soil, will be tight joint; put it around the tree and required—the richer soil taking more tie with two pieces of twine; pack the seed to prevent the stalks from being dirt closely around it at the bottom to too coarse. If the ground has been keep the tree borers out. Let the warm, and the seeds lightly worked in, It answers a fourfold purpose. 1-it they germinate quickly, and are soon keeps the borers off which destroy a ginning of flowering-not later; a little grub-this is not a peach tree section. before is better to prevent too much 2-It keeps the heating, drying ravs easy matter, as the grass contains suffer greatly both Summer and Winabout 20 per cent less water than ter in this dry atmosphere of the clover cut at the same age. With a Northwest. If our trees are damaged good soil and fair cultivation, and by Winter, it is usually that the bark seasonable cutting, a vield of three or of the tree is first and most generally the severer the cold the greater the The common error in growing it is damage, but the greatest exposure is allowing it to get too ripe before cut- on the southwest side. 3-It keeps lost his trees by being gnawed in Winter by rabbits. 4-It molifies the bark, keeps it soft, bright and green. saves washing with soap and lye. The paper costs 4 to 6 cents a yard; a vard will wrap three or four trees; easily put on, try it.

> A correspondent of the Poultry World says that by thoroughly lining his poultry buildings each year with tarred paper he has been able to keep his hens whooly free from lice. Although atithe time this paper was first used his hens and buildings were badly infested with lice they soon dsappeared, and for two years they have not returned use, not only among poultry breeders and it is supposed that sometimes they cruel and unprofitable to leave them undisturbed. The tarred paper remedy can do no harm and probably be all that will be necessary to drive and keep them away. It costs but little and should be given a trial.