VOL. III.

FREDERICTON, N. B., WEDNESDAY, JUNE 28, 1882.

NO. 44

Stop That Cough.

Englishmen's Cough Mixture Is the most certain and Speedy Remedy for all Disorders of the Chest and Lungs. In Asthma, and Consumption, Bronchitis, Coughs, Influenza, Difficulty of Breathing, Spitting Blood Hoarseness, Loss of Voice, etc., this mixture gives instantaneous relief, and properly perserved wifn scarcely ever fails to effect a rapid cure. It has now been tried for many years, has an established reputatior, and many thousands have been benefitted by its use.

FELLOWS'

THE GREAT CURE FOR Indigestion, Jaundice, Bilious Complaint, Bad Breath, Sick

Headache, Heartburn,

Acid Stomach, etc. Price 25 cents.

Fellows' Leeming's Essence

Cures Splints, Spavin, Ringbone, Strains of the Tendons and Back Sinews, Strains of the Shoulders, Stifle, Hough, Knee, Whirlbone, Fetlock, Pastern, And Enlargement of any of the Joints.

THE WOULD NEW BRUNSWICK RAILWAY COMPANY.

Summer Time Table.

BEGINNING MONDAY, June 19th, TRAINS will run as follows:-9.15 A. M., Passenger Train leaves WOOD-

1.55 P. M. Passeneer Train leaves GIBSON, for Woodstock, Fort Fairfield. Caribou, Presque Isle, Grand Falls and Edmundston

5.30 A. M., Passenger Train leaves PRESQUE ISLE, for Woodstock and Gibson. 1.00 P. M., Passenger Train leaves EDMUND-STON; 4.00 P. M., Grand Falls, for Woodstock, Presque Isle and Gibson.

6.00 A, M., Mixed Train leaves G1BSON, for

Tra in arrives at Grand Falls at 8.30 p. m. where passengers for points North remain until 8.00 next morning, Passengers from Edmundston and Grand Falls for points south of Aroostook, remain till morning at Aroostook, or will be carried to Fort Fairfield free, where good hotel accommodation can be procured. Freight Trains will run daily between all stations, leaving Gibson 6.00 a, m., Woodstock 10.30 a, m., Presque Isle 6.00 a. m.

Immediate connection is made at Woodstock with trains of the New Brunswick & Canada Railway to and from Reston Portland Panagar Railway to and from Boston, Portland, Bangor, St. Stephen, St. Andrew's, St. John. and all points East, West, and South, and at Fredericton, with

trains to and from St. John, and with Union Freight to be forwarded from Gibson by the 6 a. m. Train must be delivered at the freight house at or before 4.00 p. m. the previous day. Return Tickets for one and one-half the regular fare for sale at all Ticket Offices. Railway Ticket Office, by H. Chubb & Co., and by the Union Line Steamboats at their office, and on the Boats.

A. J. MILES, ALFRED SEELY, Master of Trans. Ass't Sup't.

Gibson, May 30, 1882.

House for Sale.

THAT beautifully situated House and property belonging to the Estate of the late WILLIAM A. McLean, is now offered for sale. The property has a frontage of about 80 feet on Sunbury Street, and includes House, Stable, Barn, Woodshed, and a large garden, and is one of the most plaes-For further inormation apply to A. A. STER-LING, Esq., or to WM. A. McLEAN.

Splendid Farm

FOR SALE

THE Subscriber offers for sale on private terms that well-known farm in Maugerville Sunbury Co., farmerly owned by the late Geo. B. Covert, Esq., containing 600 acres—a large portion of which is cleared intervals. For Stock raising this farm cannot be surpassed. Reasonable terms will be given to a good man. Further information can be had applying to T. McCARTY, F'ton, April 27, 1882-tf

VALUABLE LAND.

FOR SALE.

THE subscribers are authorized to Sell several Farms near Fredericton, Prices moderate and terms easy.

RAINSFORD & BLACK Sept. 1, 1881-tf.

GRAND HOTEL

CRAND FALLS.

-AT-

To Lease for a term of years or for Sale, that valuable Hotel and premises situate at Grand Falls, on Front Street, at present occupied by Leonard Reed. Possession given 1st of May, 1881.

Apply to the undersigned or to Fraser, Wet-more & Winslow. BRIDGET E. BRYSON.

EXECUTORS' NOTICE.

A LL persons having legal claims against the Estate of the late WILLIAM GRIEVES, are requested to hand in their Accounts duly attested, to either of the undersigned, within three months from date; and all persons indebted to the said Estate are requested to make immedi ate payment to either of the undersigned. Dated Freder May 4th, 1882. JANE GRIEVES.

F.xecutrix. J. ALEX. GRIEVES,

Auctioneer Notice.

THE Subscriber having taken the Store on Queen Street, next below Thomas Stanger's, Clothier, letends carrying on the business of Auctioneer and Commission Merchant, and trusts by strict attention to secure a fair share Will a en sales at residences or else-

H. G. C. WETMORE, Auctioneer, etc. In the matter of John Smith, an

F'ton, May 11, 1882

JOHNSON'S ANODYNE LINIMEN'I will third day of August next, at the hour of ten May 4 positively prevent this terrible disease, and will o'clock in the forenoon, at the office of Messrs positively cure nine cases out of ten. Informa. Rainsford & Black, in the City of Fredericton, tion that will save many lives, sent free by mail. Don't delay a moment. Prevention is better than cure.

I. S. JOHNSON & CO., Boston, Mass., for merly Bangor, Me.



TENDERS.

Tenders addressed to the undersigned, and endorsed "Tender for Quaco Lighthouse," will be received at Ottawa, up to the 10th JULY next, for the construction of a Wooden Lighthouse Tower, with Keeper's Dwelling attached, and outbuildings, on West Head, Quaco, in the County of St. John, New Brunswick. Plans and specifications can be seen on and after the 14th inst., and forms of tender procured by intending contractors at this Department, Ottawa, at the Agency of this Department, St. John, and at the Office of the Collector of Customs St. Martin. WM SMITH,

Deputy of the Minister of Marine and Fisheries.



SEALED TENDERS addressed to the underand Canal," will be received at this office until the arrival of the Eastern and Western Mails on TUESDAY, the eleventh day of July next, for certain alterations to be made to, and the lengthening of Lock No. 2 on the line of the old A map of the locality together with plan and specifications of the works to be done, can be seen at this office, and at the resident engineer's office, Thorold, on and after TUESDAY, the twenty-seventh day of June next, where printed

Contractors are requested to bear in mind that an accepted Bank Cheque for the sum of \$1,500 be forfeited if the party tendering declines to enter into contract for the execution of the work at the rates and prices submitted, and subject to The cheque thus sent in will be returned to

This Department does not however bind itself to accept the lowest or any tender, By Order, F. BRAUN, Dep't of Railways and Canals, ¿



3.55 P. M., Passenger Train leaves WOOD-STOCK, for Fort Fairfield, Caribou, Presque Isle, Grand Falls, and Edmundston.

Fenelon Falls, Buckhorn Rapids and Burleigh Canals.

NOTICE TO CONTRACTORS. SEALED TENDERS, addressed to the under-signed, and endorsed "Tender for Trent Navi-gation," will be received at this office until

WEDNESDAY, the fifth day of July next, for WEDNESDAY, the fifth day of July liext, for Woodstock and all points north.

2.00 P. M., Mixed Train leaves WOODSTOCK for Gibson.

Train arrives at Grand Falls at 8.30 p. m.,

WEDNESDAY, the fifth day of July liext, for the construction of two Lift Locks, Bridge Piers and other works at Fenelon Falls; also, the construction of a Lock at Buckhorn Rapids; and for the construction of three Locks, a Dam, and Bridge Piers at Burleigh Falls. The works at each of these places will be let Mars of the respective localities, together with plans and specifications of the works, can be seen at this office on and after WEDNESDAY, the twenty-first day of June next, where printed of information relative to the works at Fenelon

Falls will be furnished at that place, and for those at Buckhorn and Burleigh, information may be obtained at the resident Engineer's office Peterborough.
Contractors are requested to bear in mind that panied by an accepted bank cheque, as follows: For the Fenelon Falls work \$1,000 do Buckhorn Rapids work \$500 do Burleigh Falls work \$1,500

And that these respective amounts shall be forfeited, if the party tendering declines entering into contract for the works at the rates and prices submitted, subject to the conditions and terms stated in the specifications. cepted.
This Department does not, however, bind itself

F. BRAUN, Department of Railways and Canals,

\$663 week in your own town. Terms and \$55 outfit free. Address H. Hallett, & Co,

FOR SALE

THAT valuable property in Kingsclear known as "Woodlands," fronting on the River St. John, and situate one and one-half miles from the City of Fredericton (proper.) This property is well fenced and watered, and contains about forty acres, thirty of which are eet, containing four sitting rooms and nire bed register grates, besides kitchen and scullery 20x30, pantries, etc. There is a frost proof cellar 50x30, studded and clapboarded, stone root-house, 20x30, piggery with feed boiler and flue, ice house and workshop. All the buildings are two orchards in bearing, gardens, etc. The grounds in general being well laid out and lanted, with ornamental trees, making a most desirable property for a gentleman's residence.

CHARLES C. TABOR,

Woodlands February 9, 1882

THE BOARD OF AGRICULTURE having directed the Secretary to keep a REGISTER of FARMs and other Real Estate in this Promaking sale. Parties wishing to avail themselves of this Registry are requested to address the Secretary, at Fredericton, giving the fol-

Extent, and Description of Soil; Acreage under cultivation and condition of Buildings and general or special advantages; Price and terms of payment and when posses This Register will be open for inspection by JULIUS L. INCHES,

THOSE THREE DWELLINGS, with out-Property," and situated on King and Westmorland Streets, Fredericton, will be sold to a cash prices. may be closed. They will be sold separately or are all rented, insured, free from debt, and in fair state of repair, besides there is good water on the premises. Further particulars on applica-tion to Mrs. JAMES BERRY, Administratrix, Douglass Road, Portland, or to Messrs. J. A. W. VANWART, Barristers, Fredericton, N. B.

In the York County Court

NOTICE is hereby given, that a general meeting of the Creditors of the said John

Smith, to examine and pass the accounts of the estate, will be held on THURSDAY, the

Dated the first day of May, A. D., 1882

absconding and absent debtor.

ALSIKE CLOVER SEED, TURNIP SEED Wholesale and Retail at lowest prices.

Cow Bells!

ALFRED SEELY, F. A. H. STRATON, H. G. C. WETMORE.

Agriculture.

WILL YOU

EXCHANGE

a case of Dyspepsia or Biliousness

for 75 cents?

It is awfully

unwise to

agonize un-derthemany

ailments

arising from

Dyspepsia, Indigestion,

Disordered

Stomachand

Liver, when

this offer is

made to you

in your own

home in all

sincerity,

with an absolute certainty of

curing you.

ZOPESA (from Brazii) cures
Dyspepsia and Biliousness. A

bottle cures.

the Liver.

iousness.

single dose relieves; a sample bottle convinces; a 75 cent

It acts directly upon the Stomach, Liver, and Kidneys. Cleansing, Correcting, Reg-

ulating, Zopesa gives energy and vim to the Brain, Nerve, and Muscle, simply by work-

tion, and giving activity to

Cut this out, take it to any dealer in medicines, and get at least one 75 cent bottle of Zopesa, and tell your neighbor

how it acts. It is warranted

to cure Dyspepsia and Bil-

ing wonders upon the D

Management of Manure, Few farmers adopt any systematic method of managing their manure, of going about it. One farmer besiouers who inspected it, as admir- mainder for our next issue :ably adapted to the object he has in "The first thing a farmer should do view. He keeps most of his manure is to obtain a thorough knowledge of the in a pit under cover, and preserves field as regards its condition at different same way. He has a "lean to" at- inquire what are the natural conditions which face outwards, In front of centre of which should be bolted, or at- County, has been drained with great richer. This is owing to the shade good roads. One of the best ways is them at each side of the shed there tached by a clamp, to the side of a nice- advantage to the owners. In Living- and darkness afforded by the covering. to keep the ditches open and clean. is a water-tight trough and passage, ly painted hardwood stake, five or six ston, most of the drained land was be- Shade is nature's implement of reno- This lets off the water easily; it is and they stand some distance apart feet long. By driving this stake into fore entirely worthless. twenty inches wide and eight inches person, at another point of the intended drain, a knowledge of the lay of the sure they will repeat the investment.

to a measuring pole held by another bonds they can get, and will pay a thinked dider, but the soil is derived from the shading the soil is derived from the shading rich manure, and when one talks of wide, on which the manure is wheel- sible outlet found. best thing, in his opinion, for the time.

mills is wet, from the logs being

farmers are far too lazy for that.

not only be retained but enhanced.

tical gardener says he finds the fol-

1882---SEEDS---1882 Just Received

WILEYS'

Field Seeds.

COMPRISING: 200 lbs. Beet Seed.

250 " Carrot Seed, 300 " Mangel Seed, 1500 " Turnip Seed,

1000 " Alsike Clover, 250 bus. Timothy, Kentucky Blue Grass, Orchard Grass,

Garden Seeds.

Red Top Grass.

Beans, Beets, Cabbage, Carrots, Corn, Celery, Cress, Cucumber, Water melon, Musk Melon, Lettuce. Fine Danver's Onion, (American Seed,) Parsnips, Peas, Radish, Squash, Tomato,

For further particulars apply to RAINS-FORD & BLACK, Solicitors, Fredericton, H. L. STURDEE, Solicitor, St. John, or to the sub-Herbs, etc., etc., etc.

> Flower Seeds. All the new and choice varieties. Gladiolus Bulbs

VICK'S FLOWER SEEDS.

JOHN M. WILEY, Opp. Normal School, Queen St., Frederictn.

SHORT HORN DURHAM BULLS

April 13, 1882.

FOR SALE.

THE Subscriber offers for sale six young Short Horn Durham Bulls, Registered Pedigrees from I year and upwards. They are very desirable animals for Breeders or Agricultural Societies. They will be sold at reasonable JOHN SLIPP, Upper Hampstead, Queeen's Co.

SEED. SEED.

TIMOTHY SEED, Northern Red Clover Seed.

Cow Bells!!

HAVE just received my spring stock of Cow Z. R. EVERETT.

Practical Directions for Draining.

the subject of draining, and now add states Department of Agricul-some practical directions for the lay-ture, we find a return on Draining known, but to cultivate in such man-Over and over again we have urged the subject of draining, and now add United States Department of Agriculing out of drains, after perusing which from which we take the following: - ner as to mitigate its disadvantages is this in our columns. But universal the farmer will have the necessary The testimony of the increased pro- what all can do. The best of all rem- experience is that fruit trees are ne-

ed out. The "lean to" attached to A consideration of very great importthe cattle shed runs half its length ance should be mentioned here, and that and is fourteen feet wide, and sunk is, that, in commencing to drain, every two feet in the ground. It is water step taken should be considered as the tight, so far as it can be made. foundation of a system of more thorough Three sides of the pit are boarded drainage at some future time. Every ler, as follows: tightly with hemlock plank, and on tile that is laid should be at a depth, The question of how to save and ground completely, but the rye is betthe fourth side there is a passage and of a capacity, that is not only sufficient to carry the water from the land and expense of twice carting absorb- Mulching can be done with leaves, old pear trees are Seckels and the

has derived from preserving the ma-

nure for the land has been very a three-foot drain.

sawdust does not go to saw mill for angles, instead of curves.

as it decays more slowly. The saw- found to be excellent: very few farmers have the facilities strip of board between them, the upper play between the wheels safelyfor getting that description of sawthe mills is objectionable, they can the upper edge of this board will be one not go wrong by using straw for and a half feet from the surface of the and plenty of it. Some farmers burn sights will depend on the length of the their straw, thinking they can get all drain that is on a straight line.

the manure out of the ashes in that What is wanted is that the finisher way. But they get the minimum of the drain should always have some instead of the maximum value out two of the sights before him, and with a pump out of the window, using a of it. One of the richest kinds of rod similar to the half of a carpenter's animal manure is that from hogs. ten-foot pole, try the bottom by setting If they would only bed their hogs it on end at every two or three feet, and in straw and utilize the hog manure sighting over the top, which should by mixing it with the straw bedding those horizontal sights.

they would obtain a most valuable compost, which would amply repay may be largely dispensed with by simply farming economy. More prolific than although, of course, they present a them for their trouble. But many driving board stakes (the upper end be- horses or cattle, as well as more tract- far lovelier appearance when sprinkled mental trees and shrubbery while young, ing a few inches wide,) at such points able, subsisting on scantier herbage over with diamond drops of water, and follow it up each year, you can In the treatment of manure, the as will not interfere with the digging, and requiring less supervision, it Another point for amateur florists to form just such a top as you want. If Ontario Commission holds, it stands such as in the outlet or beyond the point claims the additional advantage of observe is the careful pruning of all your tree needs spreading out, cut the to reason that to provide some shel- to be dug at either end of the drain. "paying for its raising" in annual plants, removing half withered blos- young shoots off just above a bud on the ter for it, and so prevent the effects But the upper end must always corres- instalments of marketable fleece, soms and leaves. These may be col- outside of a shoot; and if you want to of drenching rains would be most pond with the line—five feet above the pending its growth to maturity. It lected in a box, and will make excel- train upward, leave a bud on the upper expedient. An open shed for this intended bottom. I say five feet, but is more readily transferred from one lent manure. Dead flowers and leaves side of the limb where you cut it off. purpose, adjoining the barn, would any height may be used that is most inclosure to another, and is easily re- on a plant spoils its beauty, as soiled be little expense and soon repay its are six feet above the bottom, then his no barrier against the encroachment beauty of a dress. Roses grow well of apple trees with burlap sacks, and first cost. Of course, where a small rod must be six feet long in order to of other farm stock. Its light tread in any ordinary garden soil that is to examine the wrappings every few

outlay is no object, and facilities correspond. exist, the separate preparation and This plan of grading the bottom has to fields and pastures where tramping drained. The soil should not contain or worms of the codling moth have distribution properly diluted, of the become very general in the community of cattle and tearing of hogs would too much clay, but if this is apparent found their way into them, that they liquid portion would do wonders for where I live, and is found to be of great not be tolerated. It wastes less food, it may be remedied by an application may be destroyed. the farm, especially the green crops. utility. I would therefore recommend in proportion to the quantity consum- of wood and coal ashes, lime, and But, as a rule, farmers will prefer to it a trial, and especially if there is no ed, and will use and utilize much stable manure. The rose bushes secure the retention and absorption water when the digging is done, which I that would otherwise be lost to the should be pruned in October, and not of this part of the product with the think best. Water interferes very much farmer. solid matter. In that case, farmers with making good work. I like every should either board the heaps or tile after it is laid to bear my weight sink a pit three or four feet in the without sinking, and this cannot be done double advantage of catching a good ground and make a bedding of and the smaller the tile the greater the swamp muck, first well sweetened necessity for a solid bottom. by exposure to the air and frosts. On springy lands that are always wet

By distributing land plaster-gyp- and difficult to dig, on account of the sum - through it from time to tendency to cave in, it is a good plan to as possible; when the water has stopped After a trial of many years a pracfore heavy rains.' lowing method of raising peas in small gardens the most profitable and satis-

nishes peas for nearly a month. | the spirits.

Draining.

We have had several articles on In the report of May, issued by the

information for proceeding with the duction and profit of underdraining is edies in dry spells is mulching. Those glected, and experience equally unithough it is a matter of the very work of draining his own farm. The emphatic and general. It is difficult who practise it do so for the purpose versal shows that it is only by calling first importance. Among those who following statement was made by to give the real average profit result- of protection in winter; but a mulch repeated attention to these matters do there is a difference in their mode Mr. Francis Malcolm, member of the ing from adequate draining, but the is really of more advantage in the that people will do better. Ontario Agricultural Commission. increase is universal and sufficiently warmest days of summer than when Fall is a particularly good season fore the "Ontario Agricultural Com- As it is rather lengthy, we shall this large to make the expenditure a very the temperature is at zero. Contrary for attention to this. The heaviest of mission," described his mode of sav- week give what he said regarding profitable investment. The average to expectation, those who live in farm work is over, and nothing paring and treating manure, which was the fall and outlet, and cutting and opinion is that about 45 per cent in- sandy locations can bear testimony to ticularly pressing, and just this kind pronounced by two of the Commis- grading the drain, reserving the reresult of thorough draining.

ployed, plank is more or less used, ing midday in times of drought. This do tolerably well. Garden or farmpoles in some places do good work great heat at the surface is too severe crops cannot be grown without manmost of the liquid manure in the seasons of the year. He should then and mole plow drainage is in use to for tender and young plants. While ure. Everybody knows this. They

which gathers most of the liquid, some it will be very difficult, and in have become the most productive in As a proof of this we know that in erally go back after this. The leaves carried into the pit. He has put up However, this may be ascertained by In Bay County, Michigan, drains and covered the ground earthworms and much falls off in a dry time. the county. a shed 90 feet long by 30 feet wide, the use of a good spirit level and a are mostly of 2 inch plank, made like get at work, humus forms, the color Just here comes in another idea. and in that he has two rows of cattle straight edge, say eight feet long, the the letter V. Nearly half of Saginaw is darker and the place evidently Everybody wants or ought to want

and they stand some distance apart on the platform which is about five feet six inches wide. They are all tied with chains, and behind each to with chains, and behind each row of cattle there is a gutter about of cattle the ground at any desirable point on the best mortgage or soil by the decay of its roots when the cattle the ground at any desirable point on the line of the intended drain, the straight of the ground in better condition than be-line of the intended drain, the straight of the ground in better condition than be-line of the intended drain, the straight of the ground in better condition than be-line of the intended drain, the straight of the ground in better condition than be-line of the intended drain, the straight of the ground in better condition than be-line of the intended drain, the straight of the ground in better condition than be-line of the intended drain, the straight of the ground in better condition than be-line of the intended drain, the straight of the ground in better condition than be-line of the intended drain, the straight of the ground in better condition than be-line of the intended drain, the straight of the ground in better condition than be-line of the intended drains, judiciously placed, is a better investment for New Brunswick of the cattle of the ground in better condition than be-line of the ground in bette row of cattle there is a gutter about to a measuring pole held by another bonds they can get, and will pay a turned under; but we are satisfied fruit trees.

Liquid Manure Sprinkler.

eight or ten feet wide for a cart or lying near, but the water that must ents, which has prevented many farwagon. He uses only sawdust for come through this outlet from more dismers from saving it, I have solved, to and even newspapers. The latter are astonishment. This dirt, or dirt simbedding, as it is the cheapest and tant points, at, it may be, some future my own satisfaction, at least. I had available, and can be made service- ilar to it, hauled and scattered under been looking unsuccessfully the last able, by painting them with some the large trees has a wonderful effect purpose, and it soaks everything up, The first thing then to consider is year for a street sprinkler that was substance that is insoluble in water. on their growth and productiveness. increases the bulk of the manure, the outlet, and this is of such importance out of use, which I might buy cheap, A good home-made article for such About one load to two three or four and makes its quality very fine. that too much pains can hardly be taken for the purpose of spreading liquid purpose is to dissolve glue in a vessel trees does not take long to haul and One load of this manure, he finds, is to get a good one. To the drains above manure upon the field, and therefore of water to the consistency of thin spread, as a general thing, and the equal to two or three loads of what it is as important as a good foundation concluded to make one by using a mo-syrup. In another vessel dissolve, in good effect will be visible for several he formerly turned out, when he is to a building. Success depends upon lasses hogshead for a tank, which is the same quantity of water, as much years. We have also seen excellent took no pains to shelter it and to pre- it It is therefore the most economical a perfect success and within the bichromate of potash as it will take. results from the use of kitchen ashes vent the deteriorating effects of in the end to commence with a good reach of the poorest farmers, and is Then pour the two liquids together. spread under the trees in the same drenching rains The gain which he one, even if it should cost a good deal of not patented. I would not exchange The mixture remains fluid in the dark, way. We know that the analytical trouble. What I mean by a good one is it for a street sprinkler for my purbut becomes insoluble after exposure chemists tell us that there is no value a free exit for the water from at least pose, as it holds enough to haul over to the light. A bundle of paper pre- whatever is coal ashes—that it is the the fields and works like a charm. pared in this manner will cover a ashes of the wood used in kindling, or In regard to the direction a drain The money outlay for a sprinkler was large surface, and through not appli- the potato parings, slops, or some Some theoretical agriculturists and should take, no certain rule can be given less than one dollar and a half, and cable to field culture answers well in other matter thrown in that does all scientists object to the use of saw-dust, especially hardwood sawdust, as possible, along the lowest part of the as an absorbent of liquid manure, as field, so that lateral drains may be run The following description of how grass, dispenses with cultivation and ever may be in them, are capital it is apt to promote the growth of into it from either side when desired. made may be of interest: Take a checks the cut-worm, the expense is material for top-dressing old tress. fungoid pores, and some farmers It is also important that as much of it molasses hogshead for tank; started not as great as may be supposed. A We say old trees. It will do as well after trying it have given it up, as as possible should be on a straight line. upper hoops and removed head care paper mulch can be of several thick- for them so far as that goes; but genthey thought it injured the soil. If the direction must change, on account fully, that it might be replaced after nesses, if necessary, and with a hole erally there is grass to mow around One farmer who beds his cattle on of the lay of the land, it should be at finishing inside; but before replacing, in the centre and a slit for convenience about the trees, and men do not like cut a square hole in the centre for a of application it is held down not only fo have the ashes about where there sawdust does not go to saw mill for When the course of the drain is made it. He finds that the dust from the out, the plough should be run along the pump tubing, 5 inches square, 22 unused material, but also by the plant the scythe. line and the earth shovelled back, and inches long, with two inch bore, and itself. Dark paper is better than light. These things are seasonable in the soaked in the water and from the this repeated till all is done that can be squared 6 inches of one end down to A summer mulch promotes the for fall, it is a good time to do the job, sap, and that pine sawdust simply done with horse power. Then, in order 4 inches, to go through the staves and mation of humus, retains moisture, and there is time to do the good thing. mixes with the soil, perhaps loosen- to make a perfectly even grade along into the tank 4 or 5 inches, and cut moderates the surface heat and facil- It will pay back all it costs in good ing it, but not manuring it so well, the bottom, the following plan I have the other end down the same, but itates the production of ammonia, fruit, and give good roads, and generonly 4 inches back; morticed through nitric acid, and the phosphates. Mulch- al cleanliness and tidiness besides .dust he uses, from basswood and elm, It simply amounts to this; the the side of the tank two and a half ing is not a new thing, but the prac- Germantown Telegraph. 5000 "Northern Red Clover, is from a stave and box factory, and erection of a line five feet above where hoops from the bottom to receive the tice of it is rare, especially in summer. the whole of the lumber is kiln dried the bottom is intended to be, so that the tube, but first nail the ends of the Those who have not tried it will be and the sawdust, he thinks, absorbs eye may be used in making it horizon- hoops to be cut with clinch nails. well rewarded by experimenting, all the manure that comes from the tally straight. Drive stakes in pairs, Make a sprinkler of pine boards four using such material as answers best gives two methods of starting a balky cattle more rapidly than straw. But one on each side of the drain, and nail a inches square, and as long as will for the purpose. edge to be straight and level, and five bore holes near the rear lower cordust. If the common sawdust from the intended bottom. If the inches apart, with a quarter inch bit. drive the tube into the tank; fit should be watered twice a day and the sprinkler into the tube, nail it, bedding, and mixing it with manure, ground. The distance between those stay it to the tank with braces nailed on with clinch nails. Mount it upon the axle of a tip cart used with two pairs of wheels. I have set

> strainer made of screen wire. SHEEP.

a pump through the stable floor and

The trouble of erecting those sights corporation of the sheep into the and not the blossoms and leaves, convenient to the digger. If his sights strained by fences which would prove lace at the neck and sleeves spoils the

Yielding a return in both fleece and suppose.

water and disposed to work for its food. It is without a peer when summer's drought taxes the farmer's time, the quality of the article will partially dig in early summer, as deep flesh. All that can be said in behalf of feeding live stock on the farm, as running, dig a little deeper, and so on distinguished from the soil impoverishtill the bottom is reached in the fall, be- ing policy of placing the raw grain and grass upon the market, will be found to apply with double emphasis to the farm that carries as a part of Potato growing has been the object its outfit one or more sheep per acre, factory. A warm sheltered situation of a curious experiment just completed No other animal returns more fertil- portion, of the ingredients which plants is selected, and trenches are dug in England. A pound of early po- ity to soil in proportion to the amount use for food. But if a farmer were to about one and a half feet wide and tatoes was taken and allowed to spirit exacted for its support, while none find it profitable to apply large quanti- Orchardists have frequently built fires three feet apart. The bottom is filled (sprout) freely. From each potato a equals it in the evenness with which with old manure, the latter being spirit was broken, and potatoes and the droppings are distributed. Notcovered with loam. The soil being spirits were then planted in separate withstanding the evident advantages that material more cheaply by purchas- and flying. light, he then sows the peas and rows. Both grew well and the fol- an increase in sheep culture brings ing a superphosphate, or bone meal, than GEO. HATT & SONS. covers them six inches deep with soil. lowing is the result of the experiment: the agriculture of a country generally, by getting horse manure frem city After the first hoeing, the sticks are From the spirits, which weighed in and especially inuring to the benefit inserted for their support. The ma- all half an ounce, 5 lbs. 5 ozs. of sound of such farmers as incorporate it into nure imparts great vigor to the plants, potatoes have been obtained, and from their system, the fact is apparent that the depth of covering prevents the the pound of potatoes 5 lbs. 4 ozs., sheep are not so numerous or so even- land for testing the adaptability of that effects of drought, and the bed fur- showing a slight balance in favor of ly distributed as they should be .- country for the growth of American Breeder's Gazette.

Improved Method of Summer Mulching.

sandy soils retain more moisture than all round. As to materials used, tiles are the those of a heavier nature, but are al- While orchard-trees are young, and

same way. He has a "lean to" attached to the cattle shed and the pit for the reception of the manure is under it. The cattle stand and feed with a court of babind them in the court of the cattle stand and feed with a court of the cattle stand and feed with a court of the cattle stand and feed with a court of the cattle stand and feed with a court of the cattle stand and feed with a court of the cattle stand and feed with a court of the court, where tile is mainly used, the dry spells and increases yield. In Ohio it is claimed that the increase of the crop in one year will pay for the cost of draining, and in one country, where tile is mainly used, the dry spells and increases yield. together, with a gutter behind them a fall that are all he can desire, and in farms that were before unproductive the dry spells and increases yield. fruit trees stops forever. They genplaces where a loose board has fallen get yellow, the fruit poor and knotty,

Floriculture.

only, at sunrise and after sunset. in the shafts before he gave in.' Flower should aways be watered when the soil about their roots looks dry. Some plants require to be watered twice a day, some three or four times, some once, and others four or five times a week. Care should be taken to water the soil about the roots, and not to sprinkle the top as many do, thinking that if the leaves and flowers about the same as at the first calving, get a dainty bath from the spout of a and after the thirteenth or fourteenth The crying need of American Agri- watering-pot, all is well. The root calf is only one-fourth or one-fifth of culture today is a more general in- of the plant wants the nourishment, and love of repose warrant its access free from standing water and well days to ascertain if any of the grubs

flesh, it furnishes its owner with the market for his product, requiring less is to plant them late. When maggots of the material painted. get into the vines, the only way to resources for enabling his live stock Burying the worm kills it, and does contains more than double the quanstrawberry is the best variety for all in Irish potatoes. purposes. The way to get rich in farming is to keep down weeds and use plenty of manure.

mercial fertilizers may contain only a horse. ties of phosphates to his fields, as is in their orcharbs at night during the often the case, he would probably secure season when the moths are hatching

Experiments are in progress in Engvarieties of apples.

Manuring Fruit Trees. One would hardly suppose that it Our chief obstacle in summer is was necessary to say to people that

most general, stone is largely em- most burning hot at the surface dur- crops cultivated between them, they

vation. Clover usually leaves the water on roads that spoils them. Then

afforded by the thickly-growing clo- manuring fruit trees, he has an idea ver. The denser the shade the richer that valuable material, at so many the soil becomes, and plants with dollars a ton must be procured. Noth-A correspondent of the New Eng. broad leaves are better for the puring of the kind. A ride around our land Farmer gives his ideas as what pose than straight-stalked ones, which good old Germantown will show many we know by comparing the benefits an old pear, apple or cherry tree, so makes a proper liquid manure sprink- we know by comparing the benefits an old pear, apple of cherry tree, so derived from crops of buckwheat and situated that simply earth every year rye. The buckwheat shades the washes down around the stem over

The London Live Stock Journal horse: "1. Tire your steed out by remaining perfectly quiet until he starts of his own accord. 2. When a horse refuses to draw at all, put him in a cart in a shed and keep him there It is a mistaken idea that flowers until he walks out. In one instance the obstinate one was thirty-six hours

> The average of German observation shows that the annual viela milk rises gradually from the birth of the first calf till the fifth, reaches its maximum after the sixth, sinks gradually till after the tenth calf, when it is

If you begin pruning fruit and orna-

It is a good idea to wrap the trunks

In selecting paints for out-of-door work, the lighter colors should be in the spring of the year as many preferred in point of durability, though the present fashion dictates the darker tints. The dark colors absorb the The secret of raising winter squash sun's rays and occasion earlier decay

save the crop is to cover the vines In nutritious properties the sweet about six inches deep with earth. potato excels. Weight for weight, it not hurt the vines. The crescent tity of starch and sugar that is found

Never use the curry-comb on a horse's legs below the knee and hock. A corn broom is best, since it takes Farm manures contain all, while com- out the dirt and does not hurt the

The codling moth is a night-flier.

nary results have been attained in the application of half-inch bones to poor upland pastures.

In Cheshire, England, extraordi-

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