POOR DOCUMENT

THE SEMI-WEEKLY TELEGRAPH, ST. JOHN, N: B. DECEMBER 23 1839.

And Man & . Assa. Made Mada Ma SHEEP AND COLD Chills Produced by Exaporation When Fleeces Have Been

Wet by Cold Rain. Spinal Meningritis.

correspondent of The Breeder's Ga-zette. The railroads, the homesteader, The sheep is one of the most susthe irrigating ditch and the constantly ceptible of all animals to cold, says The American Sheep Breeder. Its fleece is a sponge, in fact, and after a cold rain it becomes saturated with the water, which, evaporating by reason of the warmth of the body, causes intense cold by the heat abstracted in the drying up of the moisture. This cold affects, then, the most susceptible and tender part of the body, which is the back, along which the great nerve, the interspersed with oases which never so called spinal marrow, runs. The | left the wandering herds without cold chills this nerve and produces a abundant reserves of food, save when disastrous effect upon it, the result of an unusually severe winter buried even which is to cause inflammation of the the tallest grass beneath a mass of covering of the nerve, and this is very thickly crusted snow. Then it was ant to spread to the brain. This causes that thousands of head starved to that serious disease known as menindeath, and their bones still whiten hillgitis, or myelitis, and this is one of the side and plain. But these occasional most frequent diseases by which the losses mattered not to the cattle baron, flock is affected. The name meningitis for the natural increase of his herds, is derived from the word meninges, the nominal cost of grazing them and the high price of beef made them of litwhich is the name given to the membrane covering the substance of the tle consequence in the casting up of acspinal nerve, or cord (and the brain as counts one year taken with another. well), and, while it is a serious disease But these richer pasture lands, lying so far, it becomes worse when the subas they did along the alluvial valleys, stance of the cord or nerve itself is in-" were the very ones to be taken up by the settler, and railroads, too, have a volved. This is one of the most common diseases of the sheep. It causes peculiar weakness for skirting the rivparoxysms of convulsions. as when the er lands, laying off tempting town sites animal is unable to stand and falls and offering unusual inducements for with the neck and head drawn back the incoming of the thrifty emigrant. or to one side or when it is seized with So the great ranges have been broken fits of trembling or stands with the head resting against a fence or a wall. In the more serious form of this disease, as when the brain is also affected, there are trembling and cramps all over the body, difficulty of swallowing and complete inability to stand, and the animal falls on its side with outstretched limbs, which are extended | lowed by a hard winter, is taken into and incapable of movement. Of course, as the great spinal nerve controls the action of the digestive organs, the ap-

petite fails, and nutrition is stopped.

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Thus the disease is almost always fasupply hay for winter feeding, while tal after a few hours or. it may be, many of the old rangemen are turning days, the vital organs all being more or less involved. The serious nature of their attention to feeding beef for the the disease being recognized, it bemarket comes the part of wisdom to prevent Hinnies. by ever most effective way is to prevent it by taking care to protect this most sensitive part of the body from the cold and waste of vital heat and force by the abstraction of warmth due to the evaporation of the moisture held in the fleece. This acts as a sodden blanket on the most sensitive part of the animal and, chilling the body, paralyzes the nervous action and produces serious inflammation. It goes without saying that disease of this kind is to be prevented by taking requisite precautions and protecting the flock from undue exposure, especially at this time of the year, when cold rains are to be expected. In some countries it is the custom to protect the sheep by waterproof jackets, fastened to the fleece over the loins, or to grease the wool along the back so as to shed the water from the sheep. Dry cold has no such effect as the wet has, for the evident reason that a dry fleece is a safe and effective protection from it. It is the wet that sinks to the skin and is there evaporated by the heat of the body. This takes the heat from the skin and causes intense cold. One may easily understand this effect by dipping the hand in, even, warm water and blowing on it, for the evaporation thus produced produces excessive cold, due to the drawing of the warmth from the skin to change the water into vapor. This waste of heat is enormous, for to produce evaporation of water requires the expenditure of nearly 1,000 degrees of heat, while it needs only 180 to make water boil. Thus there are 51/2 times the quantity of heat taken from the sheep's back by the drying of a wet fleece as would be required to make this water evaporated boil. The ill re sults of this chilling may thus be easily recognized. Winding Horses. Visitors who have attended the sales at the Chicago market have been astonished at the thrilling exhibitions of speed in "winding" horses. The trials usually occur on the National Horse Commission avenue and frequently result in sensational accidents. The buyer is entitled to have his purchase winded. The animal is hitched to a breeder of these curiosities-for they

BETTER MILK Changes In Range Conditions In the While the cattle business under the owing Demand For Cleanliinfluence of an increase in values is ness and Willingness to

SHEEP AND STEERS.

Far West.

without doubt in a prosperous condi-Pay For It. tion, it must be admitted that its an-cient glory has passed away, says a It is gratifying to observe the marked improvement now being wrought in

the handling of milk for human conrising tide of emigration are rapidly sumption, says The Breeder's Gadestroying the better parts of those zette. Until recently no common artigreat public ranges which once fur- cle of food was so universally filthy as nished sustenance for millions of head milk. Rarely was a combination found house with steam heat is becoming of cattle and large profits to the cattle, by the student of this problem where baron. During the reign of the golder ; the cows were healthy and fed with era the great plains offered an almost wholesome food, the stables clean and limitless expanse of grazing room, and, well ventilated, milkers neat and tidy though the common domain might be and the vessels thoroughly scalded industry. It provides interesting in designated as a desert, it was thickly each time they were used. Milk produced in the country for city consumption was fairly wholesome, but that produced in cities or in their immediate vicinity was usually of the vilest character, because the trade, as a rule, was in the hands of ignorant foreigners who kept the cows in filthy, dark sheds and fed them upon the waste products of breweries, distilleries and eration ago. The creation of suc vinegar factories, the potrid masses from which were often disgusting in | far more to its selling value than the the highest extreme.

American enterprise is at last getting hold of the milk supply in many quarters, and the improvement is already quite marked, though it is growing far less rapidly than it should for a reason which will only be believed by those who have carefully studied the subject. It is a surprising fact that as yet no large part of city consumers stand ready to demand pure milk and pay that price for it which cleanliness and healthfulness make necessary.

Some years since an Omaha paper up, and the herds perforce have been sent a reporter out to examine the milk pushed back upon what might from a purely agricultural standpoint be clas-sified as waste lands. Even these in supply of that city, and it was found that a majority of the dairies about many instances are of a limited extent the city were extremely filthy as to cows, stables, milkers and utensils. and are not calculated to furnish a The reporter followed the milk from substantial and unvarying supply of production to distribution and was surforage when an occasional drought, folprised to find that wagons from the filthiest dairies circulated freely along account. As a consequence the big herds have been cut up into small the most aristocratic avenues and that much of the milk they sold was left at ones, cattlemen are securing deeded the back doors of the finest residences. lands, which are being fenced and the bottom lands turned into havfields to On consulting the producers he was told that the rich people were unwilling to pay fair prices for good milk and were constantly seeking to secure their milk at a lower cost, rarely mak-

sediment that advertises itself and

drink this mixture with equanimity,

even though the last drops in the glass

show vile contamination. Not one in

ten stops to inquire if the milk he

drinks is a germ grower or simply

Nor does this statement cover the

milk take with each glass a quantity

Dairy Butter

clean, from healthy cows fed on whole-

loaded with ordinary stable filth.

GLASS HOUSES. The Uses the Farmer Can Make of Them-The Cold Grapery. The use of glass houses for growing

plants, flowers and vegetables of all kinds is far more prevalent than it was 40 or 50 years ago. Then hothouses, on greenhouses, as they were generally called, were almost exclusively the luxuries of the very wealthy. Next they

were taken up by nurserymen and gardeners to forward a small portion of their crop or to carry on operations. during winter and produce more sets for spring planting. Now the greenrecognized as one of the most important and best paying adjuncts of evtant and best paying adjuncts of ev-ery farm whose owner has the skill and intelligence required to run it. The crearbource arous a new field of industry. It provides interesting, in-structive and profitable employment during months when farm operation

consist only in the feeding of and the consumption of a large pa what the farm has produced durin summer. It does not cost nearly so mu put up glass houses now and fit out with steam heat as it did a

establishment on any farm must add TWO WAYS OF FENCING.

cost, and the farmer must be indeed a poor manager if he cannot by its use forward the vegetables he will himself grow and sell much more each year than all the cost of keeping it in operation. Besides, there is the luxury of maintaining a bit of summer with all kinds of green things growing for wife and little ones to enjoy while cold near to zero prevails outside. get it. There is hardly anything that very little children wonder at more or are

more pleased with than to go from a cold outside winter's day into a greenhouse where the air. though moist, is kept at summer heat. Glass is now made so cheaply and greenhouses are so little expense that they are profitably used for growing many things for market that were formerly grown out of doors. All the best foreign varieties of grapes are grown by some of the leading nursery men in cold graperies, where no heat

is used, and the vines are resting during the winter just the same as they do out of doors. But under glass in the cold grapery the buds will start several weeks earlier than they can in the

wholesomeness. The one object al-ways was "one more milk ticket for a out mildewing the foliage or having

rope



FIGURING ON FENCING. Gracks Cost Less Than Lumber-The

More Cracks the Less Lumber. I was once figuring on building a corn crib, says an Iowa Homestead writer. In figuring the lumber it occurred to me that cracks in a crib were essential and that they did not cost as having it ripped. From a 6 inch board

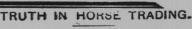
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I got two 2 inch cracks where there was but one before. In making fences and gates I have also found that 4 inch lumber will do as well for most purposes, if it is of the right quality, as the 6 inch fencing. Your lumber dealer will not like to sell it to you, for obvious reasons, but give him to understand that you know what you want and will have no other, and you will

Here are two papels of fence. One is and the other of 6 inch fencing. There are four inches at the bottom for another wire, if needed in each fence. It will be found that there is a saving in lumber in the 4 inch fencing, and it is cision, that the fact that the purchasabout the same height and of the same utility. Figure this out and see the saving

Wine Without Grapes.

"Thanks to one of the latest discoveries of science, we are now able to, make excellent wines of various kinds. without resorting to the grape," said an expert of the department of agri-culture. "Take a sip of this and tell me what you think of it." open air. The grapes will not be chill-ed at night by dews, as they are out of murmured your correspondent. "It's sherry, and good stuff, too,"



Western Court Decides Against a Common Form of Lying.

The appellate court of Indiana recently handed down a decision in a case that grew out of a horse trade and that is interesting to every one who may desire to purchase a stallion, says The Horseman. Two breeders made a trade by which they came into the possession of a stallion represented. or. rather, misrepresented, by the vender to be standard bred and registered. The purchasers, relying on the statements made, took the stallion home much as lumber. The more cracks I and proceeded to stand him for public service, publishing the pedigree as warranted to them and apparently being quite satisfied as to its genuineness. Later they discovered that they had been imposed on and attempted to make the vender take back the horse

and return that which he had received for the animal.

The vender resisted this, giving as his reason that the purchasers knew perfectly well that the horse was not as represented, that they were well posted on breeding and the register and that they knew quite well at the time that the horse was not as represented. The vender further stated that it was only a horse trade anyway and that what he got was not a bit nearer being right than what he gave. The purchasers stoutly denied this conten-tion, claiming that they believed what was told them about the stallion's breeding and, relying thereon, took him home and stood him for public service under the pedigree warranted them. As soon as it was discovered that the horse was not straight all their patrons made of 4 inch lumber with two wires, had preferred claims against them for damages, and altogether their business. was plunged into a state of chaos that meant serious financial loss to them. The court held, in rendering its deers stood the horse for public service under the pedigree warranted to them was sufficient evidence to prove that they relied on the warranty given, and therefore the vender must make good the same. The decision, therefore, was ; against the seller, who was compelled to take the horse back. This decision may or may not have been warranted by the actual facts in the case. Granting all the statements to have been true as made, it assuredly was just and, fair. If the purchaser actually believes.

what he is told and proceeds to do. business along that line, he must have

ceived.

cart and driven up the avenue and then run at top speed for an eighth of a mile, which determines if its wind is good. The double teams are harnessed to a heavy truck and the wheels blocked, and a young Hercules with voice and whip urges the horses to and he writes that they show a kind their utmost pace. The spectacle is as exciting as a fire department outfit ise to make a fine family pair.

rushing at top speed to a conflagration. In these exhibitions a nervous team occasionally gets beyond control of the driver, and a serious accident results. Horses that under ordinary conditions are perfectly tractable in these trials frequently become unmanageable, to imminent danger of life and limb of the driver. Commission men should wind a young. nervous horse with a steady, well broken animal, and accidents would then be

avoided .- Drover's Journal.

Shropshire Sheep.

The spread of the Shropshire sheep is, among the most remarkable features of the latter day live stock trade. Its rapid growth in popularity and wide-spred dissemination in this country ration beyond the addition of a total of 51/2 pounds of bone powder, which do not find parallel in the history of | cost 31/2 cents. The bone dust is said the ther varieties of stock, and its to promote digestion and assimilation fame has spread to faroff countries -: of the food and to favor the formation of flesh and fat.-Philadelphia Ledger. Breeter's Gazette.

The cross of a lack on a mare pro duces the hybrid known as a mule, and the product of the reverse cross (a how many hundred pounds of cow rare one) of the horse on the jennet is manure are consumed daily by the known as a hinney. A very interesting residents of Berlin, and it would not illustration is presented in The Breedbe difficult for any person who has



worst phases of the case. Milk is often not only dirty, but it is drugged with er's Gazette of a pair of hinnies. The chemicals which threaten the health predominant influence of the sire is of the user. Salicylic acid, boracic clearly seen in these two hybrid crossacid, formaline and other slow or ac es. The mule always reveals in head tive poisons are now freely used by and ears the characteristics of the milkmen, especially during the sumjack. while the hinney takes after the mer season, to prevent milk and cream horse in this respect. The sire of the from souring. Dirty milk sours much hinnies is a pure bred Shetland pony. more quickly than pure milk, and the a bay, weighing 500 pounds and bred producer of the contaminated product from stock that came from Woodburn gets even with his more conscientious farm, in Kentucky, and the dam is a competitor by throwing in a handful of Mexican jennet. One is a black year drugs and then showing the buyer that ling weighing 420 pounds and the other his milk will keep sweet even longer a 2-year-old weighing 544 pounds. The than the other. The buyers of such

> of drugs which would surprise them, and these materials are swallowed along with the filthy milk by infants and invalids under the doctor's care the physician rarely knowing or realizing that he has a competitor in the drug line in the family milkman. At the Indiana state fair the best tub of creamery butter scored 961/2 points, while the best 15 pounds of dairy butter scored 971/2 points and the best five pounds of dairy prints scored 98 points. This may be taken as evidence that those who will take the necessary care to have their milk

some food, can handle it so as to make

are little if anything less than that, so rare is the cross of the stallion on the jennet-is W. C. Meyer, Ashland, Or., and he states that they are the only ones of such breeding on the northwest coast. They are broken to harnes disposition and good action and prom

Bone Dust In Stock Raising.

Bone dust, known commercially as "poudre d'os verts," used in feeding experiments, is made from bone dried in the open air and not heated chemically. In a feeding experiment with this a calf about 51/2 months old was American Cultivator. given a daily ration of about 11/2 pounds of skimmilk, 31/2 pounds of oats, 31/4 pounds of hay and 3 pounds of mangles. On this ration it increased nearly 50 pounds in 24 days. To

quantities of milk from good feeding and to have her thin for lack of food the ration were then added about four are two entirely different conditions. unces daily of bone powder, and in In the one case she is strong, vigorthe next 24 days the calf increased in weight 80 pounds, a gain of 30 pounds ous, active and full of rich blood, while in the other she is faint and in 24 days obtained without change of weak and gives but little milk .- Ten-

nessee Farmer.

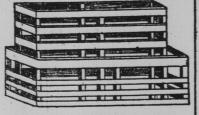
Little Salt and Much Work. Neglecting to sait the cows regularly to make their own living in the city, is aceds is a 3 inch cost of rich manure makes the milk hard to churn.

Two Kinds of Thinness.

dollar.". Some German has figured out the fruit attacked by fungus. In concluding the foregoing

gestive article The American Cultivator says that to some extent the growers of Dative grapes are taking a looked into the matter a little to make hint from the cold grapery under glass If a native vine is trained so that some similar calculation for a city like of its fruit is ripened under a protect Chicago, People who will lose their ing awning, such fruit will be much appetite for breakfast at a soiled napfiner and better than it ever can be kin or a speck of dirt on their plate will call for a glass of milk drawn grown on parts of the vine that are not from a bottle or pitcher containing a thus protected.

> Handling Corn Fodder. No other grain is so well adapted t the requirements of the cattle feeder as cheap corn, and for roughness there are few feeds equal to corn fodder. A Kansas man says in the Ohio Farmer that in preparing the corn crop for feeding cattle the common small grain thrasher has been used with good suc-



FEED RACE FOR SHREDDED FODDER. cess. The shredded fodder as it comes from the machine is run directly into a pep or rack right in the feed yard and large enough, as a rule, to hold at least a day's thrashing, say 16 by 24 or 16 by 32 feet. A sort of manger is

made around the rack, into which the fodder passes through an opening at the bottom of the rack, as illustrated. A Timely Hint. The month of November and so much of December as may not be very cold are times when sheep need shelter

from cold rains and winds. They can endure a great deal of dry cold, but when wet to the skin they do not easi ly get dry again, and the chill will lower vitality, if it does not cause diseas remarks American Cultivator.

Agricultural Brevities.

The "abandoned farm" bids fair to a better product than the average become extinct in New England. Accreamery that receives milk from so ording to latest reports, Connecticut's many patrons, some of whom seem to theap farms are being absorbed, though think a good butter maker should be able t low prices. The acreage in the last to make good butter from almost any ficial list of farms for sale is much material they may furnish him. While educed from the original statistics. we are willing to admit that there is Commenting upon this, however, an much dairy butter which is very inexchange says it does not necessarily ferior to the average product of the indicate a revival of "hard fisted" creamery, there is some that is much farming. Much land is taken up by better. The trouble with dairy butter summer residents, "fancy" farmers, for the dealer and consumer is that ish and game syndicates, etc.

such as scores 97 or 98 points does not The New England Homestead reoften reach them. There is usually a ports the cranberry crop as liberal, on home market for it, which keeps it the whole, though unevenly distributthere. Probably the dairyman who ed. The outlook for prices is moder with this crop find that the best way has such a market finds it more profitately encouraging, with the amount of to handle it is to cut or pull the plants able than to supply city dealers .the total available supply against, fan, when the first pods begin to open and cy quotations.

A meeting of the American Beet Fing- way the coarse stalks are so broken in ar association at Omaha is announced To have a cow thin by giving large for Dec. 5. The question of opposing any reduction in the protection which eaten. It is doubtless one of the best the government now affords the indus- of the legumes for the silo, as it can try will be considered. Concerning the plan of sexting poor than plants like elover or cowpeas people to growing pointoes on vacant There are a number of varieties, difcity lots, The Country Gentleman says fering mainly in the time of ripening

the work has been a goo'd one and is of and the coloring of the seeds. promise in a most desirable directionthe interesting of poor people, unable agriculture.

"Madeira."

"Apple juice again. Now this." Selection of a Stock Bull. If a breeder is determined to ke 'Sauterne, of course."

up a uniform standard of excellence in "Apple juice once more," said the professor. "These wines. all of them his herd and, if possible, improve it, says Clement Stephenson, no more imcapital, as you will have noticed, are simply apple juice fermented with yeasts of different kinds, but the veasts are wine yeasts brought from. famous grape growing districts in Eu-

"In the soil of the district of Xeres certain species of minute fungi exist which, floating about in the air or adhering to the skins of the ripened: grapes, get into the vats of the freshly expressed grape juice and multiply in the latter in incalculable numbers, feeding upon it and incidentally giving to it the neculiar sherry flavor. We merely substitute apple juice, which serves equally well as a basis, add to it a small quantity of the same species of germs, procured directly from the Spanish vineyards, and, lo! we have sherry wine, possessing the true flavor and aroma. There are concerns now in France and other parts of Europe that make a business of propagating the yeasts of various kinds of wines and putting them up in hermetically sealed bottles for such uses."-Washington Post.

The Soy Bean.

attention in this country until about

ten years ago, but is now becoming

quite common. The crop is cultivated

acre. The stems alone are too coarse

so prolific in fruit that the hay is prized

portant subject can occupy his attention than the selection of a stock bull Many a moderate herd has been greatrily improved and increased in by the use of a real good bull, and many a good herd has been spoiled and ; reduced in value by a moderate one.

In selecting a bull we have first individual merit to consider and, then pedigree, but no amount of the latter; will compensate for deficiency in theformer. He must be true to the best type of his particular breed, sound and robust in constitution and well. grown for his age. By well grown I den't mean high on his legs, but wide, deep and long, standing on short and well set legs. Particular attention. should be paid to his hocks. for many a good bull is rendered useless by bad hocks. He should have a good muscular (fiesh) development in the right, places, straight top and bottom line, with broad, deep chest and good fore ribs. His eye and general conduct; should denote good temper and theskin be mellow and moderately thick. Avoid thin skinned ones. See that: he walks well, gay and like a gentle-The soy bean is one of the staple

man, and, if he is old enough, see what crops of Japan, which attracted little his stock is like and, if possible, havea look at his size and dam-in fact, all his family connections that are in the herd. The next thing is pedigree. Not. like corn, the seed being planted in drills at the rate of half a bushel per only see that it contains no impurity; but that the recorded ancestors were, as far as known, good animals; if prize winners, sil the better. Find; out, if to make good hay, but are cowered with you can, whether they were regular, good breeders and lived to a good old such a dense growth of leaves and are highly, especially for milk cows and age, for nothing is more hereditary. If for fattening animals. The yield of everything is satisfactory, don't begrudge the price, and if after a trial his stock is satisfactory don't be tempted

by price to part with him.

Sheep Men, Buy Ranges Reports from Wyoming state that two organizations of sheep men, one in Uinta county and one in Carbon county, have recently purchased large tracts of lands from the Union Pacific railroad, aggregating wave 300,000 acres. These lands are in sections and practically insure the owner's use of intervening government lands. thus giving them control of enormous grazing facilities. The idea is to divide the tracts into summer, spring, fall and winter ranges for exclusive ecoupancy by members of the organiza ions, under strict regulations agoinst graen forage is heavy when grown on verstocking and other practices tend. ng toward depreciation of pasturage usually from 20 to 30 bushels per acre. values. This seems to be a step, in Those who have had most experience the right direction, certainly much wiser than trying to maintain alleged rights by physical force. Some risk of usure inconvenience, however, is asthrash as soon as dry enough. In this sumed in the absence of know adge of what may be done with government pieces and mixed with the leaves and lands. If rival berders of either sheep immature fruit that nearly all will be or cattle should purchase and stock these, trouble will be likely to ensue.-Breedez's Gazette.

> Hundred Dollar Rams. That sheep men all over the country are sharing the general good times is

attested by the high price they are paying for good breeding stock. One hundred dollar rams are setting to be almost as common as "leaves in Val ombress."-Sheep Breeder.



BOY BEAN-LEAVES, FLOWER AND POOR

food ground, and the yield of beans is

be more easily handled for the cutter

What a first class asparagus bed

every fall,

