

NO. 22



washing only takes a few buckets of water for a

How Condensed Milk is Made.

Composition of Manure

Inquires are often made how condensed milk is made. The conden-

Mr. Ross Archibald of Truro, Nova interest to the dairyman and farmer, principal substances of value in Scotia, is probably more extensively as well as to the consumer. By it, engaged in this industry than any other person in the Dominion. We take from the Truro Sun the following periods, retaining its freshness, and take from the Truro Sun the following the cost of transport is reduced to a

acres of land, favorably situated on the south side of a hill by which the buildings are protected from the chily north wind. The houses and yards the factory it is carefally strained, buildings are protected from the chily north wind. The houses and yards COMMENCING DECEMBER 9th, 1883, Trains Cwill run as follows: Commencing and is 150 feet long. A few the north side of grounds and is 150 feet long. A few the set of t

The value of manure depends not only upon the character of the feed allowed, but upon the condition of the cing of milk is an industry of great animal, the breed and the age. The manure are nitrogen, phosphoric acid his mode of procedure in hen farm- minimum. We copy from the Scien- ground dried blood, leather and other

ig:-"The premises occupies about two "The premises occupies about two the factory it is carefally strained, the factory it is carefally strained, it is carefally strained, the muriate, its quality depending upon underdraining? The surface of the soil is lowered. The Barnyard manure and artificial fer-such a depth as will give the roots

than is needed by the crops growing upon them. If you intend to raise corn or wheat the land will need more drainage than if intended for grass. and potash, the former substance wet, for if too wet the growth of porous soils, underlaid by sand or substances containing it are sometimes gravel, are drained by nature, but all used. Potash is usually supplied in water in the soil is lowered. The roots of the cereals and grasses may

What Lands need Drainage.

All lands that contain more water

ton, Woodstock, and all points North and South of McAdam; also, for Fredericton, yards separated from each other by A second straining follows, after few other substances not always pretall picket partitions. The construc which the milk is transferred to a sent in fertilizers, though easily added only that amount of soil from which tall picket partitions. The construct where, at temperature to them if necessary. Manure con-tion of the buildings is most sub-below 160 deg. Fabrenheit, it boils, teins however a large quantity of advantage of having their feet wet by stantial, every presaution having been below 160 deg. Fahrenheit, it boils, tains, however, a large quantity of taken to make them frost proof and and is rapidly concentrated to any de- carbon, which is considered by some 8 30 P. M.-From Water Street, St. John-Night Express for points West, and for Sti Stephen, Woodstock, Houlton, and al. points North of McAdam. Comfortable. Besides being double boarded, the walls were also stuffed to render them more fit to exclude the egg shaped about six feet in disputer. boarded, the walls were also stuffed to ployed in a close vessel of copper, tend that as plants appropriate carbon render them more fit to exclude the egg shaped, about six feet in diameter. from the atmosphere through the cold. Seventeen thousand feet of It is heated by steam coils within, agency of the leaves, such matter only lumber was used in the construction. and by a steam jacket without enclos- adds to the bulk of the manure with-Mr. Archibald states that the water ing the lower portion. In one side of out increasing the quality. When in the building has not frozen this the dome is a small window, through food is fed to animals it undergoes a winter, in spite of the extreme cold which the gas illuminates the interior, chemical process in the body, which of the night of the 23rd ult. Entering while on the opposite side is an eye- extracts the nutritive portions for the main building we find it divided glass thorough which the condition of sustenance according to the digestive all points West, and from St. Stephen, into snug compartments or coops, the contents is observed. The pan is capacity of the animal, the residum fifteen in number. In each of these also provided with a vacum guage being voided as being no longer useful 10 10 A. M., at St. John, Water Street-Through are thirty hens, or four hundred and and test sticks. Accommodation from Fredericton and fifty in all the amellon building in the track. in that respect. The amount of avail-

fifty in all, the smaller building is "Much of the milk used in cities is able fertilizing material in the manure similarly divided into five coops, con- simply cencentrated, without any ad- thus voided depends upon the charac-1 00 P. M., at St, John, Water Street-Express 5 40 P. M., at St, Joh making a total of six hundred hens, a contration is continued in the vacum-portions of nitrogen, which is always of at least two weeks. This is certain-portions of nitrogen, which is always ly a very important gain.—Indiana lishment in the Dominion. An Ontario reduced to a little less than a quart- not only food for warmth, but the journal, a short time ago, stated in an- one volume of condensed milk corres- growth also, the manure from such is swer to an enquiry, that the largest ponding to about four and three-tenths less in value than from animals that coop in the Dominion was at Amherst volumes of milk. Condensed milk in- are matured. And as more food is

containing 400 fowls, but the facts tended to be preserved for any length required to assist the body against show that our Truro establishment of time has an addition of pure cane cold in winter than for any other pur- makes the following sensible remarks: Trains to and from Bangor. Berths secured at show that our Truro establishment of time has an addition of pure cane cold in winter than for any other pur-ticket office, Water Street-G. A. Freeze, agent. leads this "by a large majority." Mr. sugar to be added to it during the pose, the warmth of the quarters is a No train leaves St. John Saturday night or Archibald seems to have solved the boiling, and is usually put up in seal-factor in the matter also, especially winter months ventilate their theories difficult problem of how hens can be ed cans. This sugared or preserved if it be correct that carbon is beneficial how to breed the trotter; some confactory way. The arrangement of keep for many years.

The roots are placed in two rows on A Eulogy on Mr. Pig. the north or higher side of the build-

It is fashionable to ridicule and shelves, which catch the droppings. denounce him, and to insist that he About one barrel of the manure is collected every day. This is very valu- is the dire author of leprosy, conable, bringing from \$1.00 to \$1.50 per sumption, cancer, scrofula, and the barrel. About twenty-two barrels have most disgusting diseases that afflict already been collected. Beneath the humanity. This is the teaching cf shelves are the nests, which are built prejudice, not of science. The hog of wood of a square box shape and outlives all hostility, and laughs, so to comportably padded. The floors of speak, at the want of success of his the coop are sand, which answers the slanderers. Still is the recking roast purpose better than anything else, pig the sacrifice of many a dinner On the south side of the buildings are table, and still is rural ceiling feslarge windows, one for each apart- tooned with the savory sausage, and ment. These are fixed on hinges and the smoke-house fragrant with ham. fowls admitted to the respective yards. high repute for his manners, but he surface the roots of the plants have capillary attraction. Only aquatic plants grow well with their feet in the water. The lowering the water below the surface prevents a large amount of evaporation and its effect in cooling the soil. The water being removed, air and warmth are admitted to the soil. Drained land are for this reason ready for planting at least one week earlier in the spring. The growth of crops are quickened through the summer by the increased temperature of the soil, which amounts to several degres, and the early frosts are prevented in the same manner. Crops Farmer.

The Breeding of Trotters.

as a manure to the roots of plants. tending for a strong infusion of Assuming that animals are well fed thoroughbred blood, while others rean average quality of food, then, for ject the thoroughbred blood as one of every 1000 pounds of manure from great injury. We have theory to horses more than 700 pounds consist advance, but think it is not a bad of water, while the remainder is esti-mated at about twelve pounds of as often as you can, without getting phosphoric acid, twenty eight pounds a predominance of one sort or one of potash and five pounds of ammonia. quality; and to show how well this The manure from the cow contains plan has succeeded you have only to nearly 860 pounds of water in every look into the pedigrees of our fastest 1000, the amount of phosphoric acid and most noted trotters. Thirty-eight in the remainder being about five horses have trotted in 2.18 or better, pounds, potash ten pounds and nitrogen and of this number only three-Hopethree pounds, the manure from the ful, Accident, and Rarus-have no horse bring double the value of that known thoroughbred crosses. Of the from the cow in all the substances remaining thirty-five it can be truthexcept nitrogen, and even in nitrogen fully said that they are miscellaneousthe horse manure is nearly twice as ly bred, each and every one of them fitted with ventilators for regulating The hog is a true cosmopolite—a that from fowls and the human species blood either on sire or dam's side, and the temperature. On fine days the out as the bat. He does not stand in is the richest in nitrogen, but this the grandams of Maud S., record 2:10], includes the urine, the solid portions and Jay-Eye-See, record 2:107, are Each coop is supplied with a feed rack is most accomodating, thriving with Manure from the sheep is the richest theories or fancies; and if this kind and water trough. After a lot of trouble and expense a sutiable and efficient water trough was constructed by inclosing large earthern pans with pickets, or pointed laths, leaving cleanliness, which is next to goodli-space at the rims of the pans to admit ness-for the same reason that the fine-spun of phosphoric acid. Considering this theories go to the winds. What every fact, to much importance cannot be breeder wants is success, and the best, space at the rims of the pans to admit the head of the bird. The hens are fed on a variety diet, changed regular. In consisting of rotations of satisfaction and his distribution of rotations of satisfaction and his distribution of rotations connected at 1.2 cent per pound. The value of Feeding Bees in W \$10, while the value of the liquids A beekeper in the Germantown Tele-

turnips and nearly all kinds of grain squeal of remonstrance and reproach. the solid portions of manure from a borse for one year is said to be about He should never be fed until he stops and mixed feed. One barrel is fed out every day and an equal quantity his squealing; it is the approved from the source for the same period is method of breaking him of the habit. of water is also consumed. nearly the same.

The hog is the product of Nature's The inmates of this elysian retreat, most economical thought. There is are of many breedt. There are about half a dozen varieties of thoroughbred no part that cannot be utilized. His fowls, including Woite Leghorns, flesh, fat, bristles, hair, hoofs, and fowls, including Woite Leghorns, bones are all turned to account. Black Spanish, Plymouth Rock, Sil-"The divisions of his unctuous body," ver Pencilled Hamburgs, Jersey and says Apicius, "are is familiar as the Russian Game. The remainder are of the ordinary and mixed breeds. divisions of the earth." His ears and FOR FALL AND WINTER TRADE^{*} The male are twelve in number. feet go to souce; his brains are a A LARGE LOT OF They are a handsome, fine looking choice dish for the epicure. His tail specimons. The Leghorns and Black has for ages been claimed by succes-Spanish are particularly noticeable, sive ages of children as their peculiar for their splendid appearance. The property. Tradition points out how coop of snow white Leghorns is one to appropriate it; roast on the coals, of the features of the establishment, take in the fingers, and eat without

The hens are all young, healthy look- salt. The hog is the staff of life-the thoroughly understands how to pre-GENERAL GRANDS, ing pullets, and any one of the entire arch enemy of famine the poor man's pare live stock for winter is he who collection might be selected for ex- best friend. Moreover in his earlier makes it a point to get the largest days he is striking a playful, frisky, possible amount of fiesh upon the ribs

The object of the enterprise is cunning and grad had much more during the summer; so, he who best SLEIGHS AND PUNGS chiefly the production of eggs, and interesting than a business during the it is not intended to produce young the same age as the latter is more in, winter is he who succeeds in mainfowls, except as many as are neces- teresting than so much putty. In taining all the flesh acquired during to keep up the stock. At present a adult pighood he is omnivorous and the summer, adding to this as far as comparatively small number of the self-reliant, bold and expeditionary; he can. Cattle that go into winter in hens are laying, but there is a grad. and he breeds faster, grows fatter, good flesh, if suitably protected from ual inegerse in this respect, and it is and keeps cheaper than any other the cold and properly fed, are easily expected in a short time that the pro- domestic animal. America is pre- kept up to the summer standard all hard, early and late often depriving himself duction will be considerable. As the eminently the home of the hog-he midwinter, and with suitable atten-

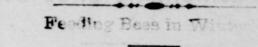
The average New Brunswick Farmer toils hard, early and late, often depriving himself of needed rest and sleep-for what? To reise more twill be considerable. As the corn and turnips-for what? To feed cattle-for what? To get money with which to buy more land-for what? To feed more cattle-for want? To buy more land. And what does he want? To buy more land of 2 Why, he wishes to take for the eggs can be readily buy more land-to raise more turnips-to feed more cattle-and in this circle he moves until death stops his proceedings. The market for the eggs can be readily found, both in Truro and in Hallfor. fully sorted and kept separate, the corp. He eats what is put before mainder up to the appearance of out. market for the eggs can be readily sips, nor uses tobacco in any form, the direction of putting on flesh and Tar is highly useful in various found, both in Truro and in Halifax, He puts up with the warst accomoda- in retaining it, and if it is only by in- details it sheep management, as in

and there seeins to be in reason why tions, and bahaves best when well excusable improvidence that the gain some kinds of topical shelter, and as whe venture should not be productive corned. His habits are natural, made during the larger and best half an application to cuts from clipping of large benefits. The great difficulty though he never runs in debt to the of the year is lost during the shorter and to parts affected by the fly. It and unfavorable half.

to break out, resulting often in the never keeps his wife awake nights by entire destruction of the coop. In snoring. He belongs to a litter-ary family, and, though he never writes. this case, however, the sanitary arrangements seem to be so excellent. and the hens are so carefully looked pen.-Farmer and Dairyman.

Increasing the Size of Apples.

A correspondent of the Maine Far- they now have their winter coats of of tar and lard oil is an excellent dressmer says :- "Among my native trees hair on, and after a smart drive the ing for hoofs. A liniment composed was one which yielded a large crop of roots of the hair will moisten with of two parts of tar, two of cocoanut small apples every alternate year perspiration, which should be rubbed oil and one of yellow wax is an exceland ony one caring to inspect the They were of a fine flavor, but so off before allowing them to stand in a lent dressing for mange and an efficismall in size that they were worthless cold stable, to avoid danger of sudden ent detergent in most kinds of scabby, for marketing. To cause them to in- cold. Especial care should also be eruptive skin affections in the horse, crease in size I thinned out the small taken to clean and dry the feet and but requires to be rubbed in with a branches after the fruit had formed, ankles, as snow, ice and frozen mud piece of haircloth or with a rather taking off about half the fruit. On allowed to remain there over night is stiff brush. The rectified oil of tar,



gaph gives his method of feeding been Considering the high value of the in winter, as follows. In the first iquids, which are always immediately place let me say that I would prepare the feed in the sharpe of a syrup, thus. available as plant food when applied to the soil, the manure must be pro-Take of pure, clean water two pounds of sugar. Bring the water to a boiling tected from drenching rains and meltheat and then add the sugar ; stir well until it again boils, and skim off all impurities; then let it cool and fill up glass tumblers and tie cotton cloth over each, and turn them upside down over holes in the top of the hives, if

the old-fashioned box or gum log, and you will have the satsfaction of seeing the tumblers soon emptied and stored in the brood combs. If you are using a good moveable frame hive, you can

following way :- Take some old bits of combs and lay in the surplus chambers, and pour the syrup over them, and the bees will take it all down. Feed as fast as they empty the glasses or combs referred to. We should always feed all weak stocks late of an evening, which will prevent robbing in a great degree. If you use the glass tumblers to feed from. I would recommend boxes to be turned over them so as to keep robber bees

serves either alone or in combination with some fatty substance to protect the sore or diseased feet of cattle from being further injured by wet or abra-

is the acknowledged knight of the will not confine them to the stable horns, and makes excellent application

ing snows, for as part as the manure is changed by chemical action in the heap during process of decomposition into soluble matter it is always lost unless protected.

Winter Breeding of Cattle. The farmer or breeder who most

feed your syrup in the top of it, in the

Medicinal use of Tar.

The Horse in Winter. Care should be taken that the horses sion, and when spread upon coarse are so shod that a sudden icy spell cloth it is a prime covering for broken

from fear of slipping. Too many valu- to various kinds of wounds and puncable horses are strained and injured by tures in cattle. A mixture of equal carelessness in the matter, or are kept parts of tar and tallow, by the use of in the stable without opportunity for heat, make a good stopping for diseashealthy exercise. Remember also that |ed feet, and a mixturn of equal parts

tailor, and though he knows nothing of mathematics he has no superior in

