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Aerothrust Farmer's Binder Engine P Lightest Motor In World, 220 lbs.

Making Farming a Real Pleasure. All on show in the Grand Stand Building. Toronto Exhibition. Free litera-CAM. BOAT & ENGINE EXCH., LTD.

Do You Brand Your Butter?

please," said the customer. "Dow's is fifty cents, Denman's sixty," the storekeeper explained man's?"

I ever tasted!"

always extra nice."

Denman's. Give me Dow's."

handed out a pound of 50-cent butter. as seed, soil preparation, fertilizer the passages before death. After al enemies killed off they multiplied The storekeeper had overreached him- tion, harvesting, etc., occurs, it is upon the serous membranes lining the orchards, and buildings swarmed with self, as storekeepers sometimes will. written in the journal page opposite chest and abdominal cavities, the cav-He had sold for Denman's, butter the date upon which the operation ities of the heart and under the cov- more, of our grain crops were somether that may be the seed of a very happy their farm. Many times some naturwhich was really the product of a less occurs. The hours spent in working ering of the heart and kidneys. Sim- times destroyed in fields and storage. friendship. competent buttermaker. He had done the crop are charged according to the ilar spots (small) may be seen upon We got our lesson, and now we good-will for his poor business judg- Credited to the crop are the returns carcass after removal of the hide. friends of the farmer-and song and

incident. It revealed the ugly thing remains. The last-mentioned item is tion and testing with laboratory anithat was happening to the Denman difficult to estimate, because it cannot mals, but the experienced veterinarian the damage done by hordes of desreputation, innocently entrusted to a be weighed or measured in most cases, usually can differentiate fairly well tructive rodents and insect pests?grasping merchant. What this good There may yet exist much of the between the three diseases in question. D. H. farm woman gained at the separator applied fertilizers or manures which When hemorrhagic septicemia is deand churn she was losing because she the season's crop has not used. This is finitely diagnosed the preventive biooverlooked a simple old thing-the also difficult to estimate. These fer- logical agent should be hypodermaticbranding of her butter. Old-fashioned tilizing values cannot be credited in ally applied at once by the veterinarhousewives still make butter with terms of dollars and cents, but since ian, and each animal separated and sheaves, cows, initials, and the like, the full cost is charged against the kept separate on a different pasture molded in the butter itself, a distinct crop this may be mentioned as an than the one where the disease octive farm brand which no dealer's unknown variable credit value in the curred, or in clean, well-ventilated chicancery can remove. Many butter- case of all crops known not to be ex- stables. Each animal should be given the universal butter form do not use On the other hand, every crop pail. By such isolation and treatment It reaped and threshed the golden must talk sensibly to them and pre- Hearts' Delight, Maplerow, Dairyprinted butter wrappers. Some others grown removes some of the original the spread of the disease may be stopdo not use either stamp or printed soil fertility which has been made ped; otherwise, it would be likely to wrapper, but simply write the name available during its life by its own quickly kill every exposed animal. on a piece of paper and place it be- action upon the soil. Again we are neath the wrapper. Such slips, of dealing with values we cannot ascer- Pure glycerine will help to dissolve course, can be easily lost or removed. tain, and we have to mention it on the fruit stains from linen. When a stamp and pad are used the debit side as an unknown variable

can be destroyed in a month by a dis- follow. safeguards it.

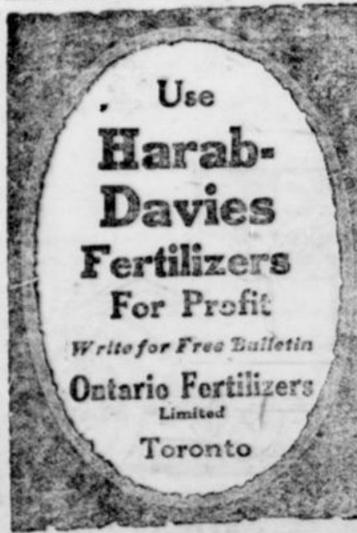
To Drain Your Land.

Money spent now in properly draining wet farm lands will serve the best interest of our country, and will pay a high rate of interest, often as high as 100 per cent. There is scarcely a farm in Canada where some drainage a book for ready reference. is not needed to make the soil produce the maximum crops possible with ordinary tillage.

slightly damaged that on properly been discovered. drained fields.

ditches that need to be made now by been rightly recognized and properly For those who like red, the follow- Bells should find a place in every ers? And father, may I change the PAYABLE HALF YEARLY dredging machines. Laterals should attributed to its actual cause. Swine ing peonies are good. Adolphe Ros- garden. Chrysanthemums give life money into two gold pieces and hide Allowed on money left with us for spread out from these further to carry and sheep have been found to suffer seau, one of the darkest, is the early and beauty to the garden from Sep- them in the leaves?"

ed out by the use of dynamite alone. mals, while a like disease has been which bloom next; Rubra Superba, a Coreopsis have golden-yellow flowers, ers were bought at the florist's, and the quickly loaded and fired under favor- has been the popular term for hemor- blooming crimson peony. able conditions.





Keep An Account of Your Crop. cise justice toward his business unless only attacks cattle of all ages but must keep account of each crop that Horses may acquire it from the bite | Red Lines. he raises, and with his various fields of an insect. People take it in the as well. The latter is even of more form of malignant pustule from inimportance than the former, for an fection of a wound, or the bite of an account with certain fields for two or insect, and the attack tends to prove "A pound of good dairy butter, three consecutive years will reveal fatal. that land's deficiency and suggest its In anthrax of cattle the spleen is

"Which'll you have Den- ed by growing crops on soil not adapt- In blackleg the blood coagulates, the When I hear farmers bragging "No," the customer's tone was con- upon a field having several different death and blood does not flow from minks they have killed, my "dander" clusive. "We had a pound of Den- soils, the tract should be roughly plot- the natural or fices of the body, but it begins to rise. Here in this Eastern man's the other night. Worst butter ted as to soil, or a just estimate can- does so in anthrax. In anthrax the Ontario community such wholesale

man's? Mrs. Denman doesn't print elaborate system of account-keeping, when handled, as gas is present under country was newer. But there has her name on her butter. Her butter is but anyone can use an ordinary jour- the skin, and there is a strong smell been a radical change. After the nal and keep it in this way:

from the sales and an estimate of Absolute certainty in diagnosis is game birds as well. What is the loss But there is another angle to the fertility value of the root and crop only possible by microscopic examina- of an occasional chicken, a few cher-

decipherable when it reaches the con- Now as to the account with soil by washing them with a nail bruzh The patient tractor stood outside, plots: In another part of the same The farm making poor dairy butter journal, or in another journal, if the water. has no particular ground for adver- book is small and the farm large and For washing windows, which should tising it. There are a good many in crops numerous, choose a page for be done when the sun is not shining landscape, even though it seems at George took no more notice of what this class, so many, in fact, that ex- each plot. Write the name or descrip- on them, use warm water with a instead of water gives a brilliant and hobbled up the church steps and sat the first glance all one green, will was wrong than a real polite stranger tion must brand their butter unless In the date column write the year, each pail of water. they deliver it to consumers in person. then on a line by itself the crops for The printed wrapper is ordinarily the that year and each item of cost for best protection. The cost of the print- the year, such as tillage, fertilizing, ing is negligible; the protection is seed, etc., placing the amounts in the complete: the advertisement of great debit column. Then should follow the value. The home buttermaker whose items of sale, prices being entered in the local market has something to expense. The balance of loss or gain point to with pride. Such a reputa- should be stated below this. The plot

at a glance whether a certain soil section is making him sufficient re- ingly.

toward a richer or poorer farm.

Hemorrhagic Septicemia.

Hemorrhagic septicemia (blood duced.

There are thousands of miles of hemorrhagic septicemia of cattle has bloomers. from the same disease caused by the blooming variety; Felix Crousse, a tember to November. They need a Mother and father helped, for it In many sections ditches are blast- similar baccillus of each of those ani- rich shade of red; Berloiz, currant red, covering of leaves during winter, was such a splendid plan. The flow-Ditches from 3 to 1 feet wide are found to kill poultry. Swine plague deep red, is known as the best late- borne on long stems, and are a mass money was changed at the bank. The rhagic septicemia of hogs, and chicken The Inis is the easiest possible Bleeding Heart is an old favorite. The prettiest blossoms in his store. The

cholera is the name of the like disease flower to grow. is being widely and usefully applied lent for borders. - Wistaria, Cinnamon Vine. cine," serum, and a bacterin are be- Irises, which are next in height and variety of bloom from early spring ing successfully employed in staying next in time of blooming. These can until frost. The earliest is Forsythia the ravages of the hemorrhagic sep- be had in various colors. ticemia of cattle and our readers To continue your Iris garden's sum- (pink, red, white) blooms in May, should understand that such treatment mer bloom, select some of the white, followed by the Spirea, (white), instantly should be given by the at- blue and purple Siberian Beardless Dentzias (pink, white), Weigelia tending veterinarian if the disease Irises and the Tall Border Irises, such (pink, white), Hydrangea (white), and suddenly appears in a district. Let as Aurea, Monspur and Spuria, Mrs. lastly, the Rose of Sharon, from

us see, then, by what symptoms the A. W. Tait. disease is characterized. hemorrhagic septicemia attacks cattle brella-like flowers. of all ages, but principally "stockers" | Excellent varieties are: Yellow, year.

| and "feeders," which have come No farmer is in a position to exer- through stockyards. Anthrax not keeps a record of its details. He rapidly spreads to sheep and swine.

greatly engorged with black tar-like A great deal of money can be wast- blood and the blood does not coagulate.

Which floored the storekeeper. He location. As each expense item, such mouth, and blood may be present in assailed us. With the rodents' natur-The explanation of this was simple. and its application, planting, cultiva- death, red or bloody spots are found until corn and grain fields, meadows,

wet with tea, and then in warm And ran the dynamo.

cellent buttermakers in self-protection of the plot at the top of th from rusting.

turns or is losing him money for his Peonies, a June flowering perennial, fection and displays a variety of When winter came, there was no are beloved by every one, easily colors. crop successions and the tendency grown, very hardy and have large Phlox is another flower which should in the church was empty; he was ill. and so forth. The next step toward a lings. Everybody has an off day once A map of the farm plan should be cutting. There is a great variety of During late summer and fall months ing sorry wasn't enough to give values so that people will say: "Why, "All right!" I says. 'I'll be good the farm plan should be cutting. drawn and pasted in the front of such colors from which to choose. It has they are a rich mass of bloom. The drawn and pasted in the front of such colors from which to choose. It has they are a rich mass of bloom. The anything looks right in that room!" after this, if you will.' I am afraid

There are millions of acres where poisoning), anthrax and blackleg ata The most popular white peony is red; Rynstrom, bright pink.

To have an Iris garden in bloom ly growth,

Hemorrhagic septicemia of cattle derful pageant are the Japanese Irizes, pink, red and white, takes several forms and is much which are not nearly well enough Perennials, whether in plant, vine similar to anthrax and also to black- known. - Many people confuse them or shrub form, are most satisfactory leg. The last-named disease, however, with the Siberian Iris, and think them from every standpoint, and are is confined practically to young cattle small and, therefore, uninteresting, especially the sert to be chosen by under two years of age, whereas On the contrary, they are huge, um- the busy person, as once planted they

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Pests That Are Welcome.

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FROM THIS TOWN

BY MOTOR

The A B C Automobile Road Guide

ed to them. Where one crop is grown spleen is practically normal after about the hawks, owls, weasels, and swellings show a gelatinous fluid when killing of rodents, owls, and hawks "How did you know it was Den- No busy farmer has time for any opened, while those of blackleg crackle was the common attitude when the from the latter swellings when opened. killing and trapping of these so-called "You told me yourself the stuff was At the top of the page write the In hemorrhagic septicemia bloody "pests" had continued for several name of the crop, the year, and its froth may run from the no vils and years, a plague of rats and mice

___ The Farm Tractor. The tractor on the farm grose Before the dawn at four;

And finished every chore,

And hauled it all away. It plowed the field that afternoon. And when the job was through, It hummed a pleasant little tune, And churned the butter, too. For while the farmer, peaceful-eyed, Remove stains from the fingers | Read by the tungsten's glow;

-The O.A.C. Review.

The Best of the Perennials

This is the best season of the year Aurea, Darius, Gracchus; pink, Her that was long ago; now the rich man determine the color values. market product sells at a premium on the credit column clear of all selling to plan the spring garden. It is much market product sells at a premium on the credit column clear of all selling to plan the spring garden. It is much market product sells at a premium on the credit column clear of all selling to plan the spring garden. That bit of color theory does not ter let it go till next time. easier to think out alterations now Queen of May; blue, Blue Belle, De- Michael was old and poor. with the garden in plain view than it light. tion, attained only with great pains, records of each successive year should will be later on when it is deep in The Larkspur is one of the hand- his happy days of long ago. snow. The mistakes and successes of somest and most satisfactory of all | "Miss Edith, I wish I could see my one approaches to a natural outdoor he promised to. Before he went off honest dealer unless the producer In this way the farmer can know the 1919 season are fresh in one's hardy plants. Do not omit the stately deffodils once more. They looked like arrangement of colors in decorating George got a word with me in private.

showy flowers which are fine for find a place in every perennial garden. How sorry Edith was! But just be-perfect room is to adjust several color in a while.' practically no insect enemies. The following varieties are especially said to herself: "I'll tell other people,

flowers will not be as perfect the first beautiful: Africa, a royal purple; and they'll be sorry, too. I'm going New tins should be set over the "Eva must have spent every mintwo years but by the third year the Asia, rich shade of mauve; Doreen, to shake all the money out of my fire with boiling water in them before ute that afternoon in getting ready, finest kind of blooms should be pro- salmon-rose; Etna, orange-red; bank." Jeanne d'Arc, white; Lord Kelvin, Some other people shook money out To keep drawstrings from pulling as Mr. Arnold had set before him. The

good drainage would double the annual terrible scourges and used to kill live, without doubt, Festiva Maxima, fol- The Oriental Poppy makes a gor- Michael's story. The grown-up people embroidery ring to each end and but- was a picture. Well, the first thing, food production. There are other mil- stock without man being able in any lowed in popularity by Duchess de geous display, whether planted singly opened their pocketbooks. lions of acres which lie wholly useless way to stay their ravages. Now they Memours and Marie Lemoine as mid- or in masses. Golden Glow has flow- When Edith counted her own bank for the want of proper drainage. In are well understood by trained veter- season bloomers, followed again by many sections the early Autumn linarians, and fairly successful meth- Gloria Mundi, a late bloomer. frosts last year ruined the corn crop ods of control have been discovered and of the pink varieties, La Tulipe and excellent to plant along a fence that and gladness. Then a happy thought only drained fields but only on poorly drained fields, but only put into practice; but no remedy has Eugene Verdier are early light pink you wish to hide. Sweet William is came to her, because happy thoughts result. beauties. Monsieur Jules Elie and a beautiful, old-fashioned border are apt to come to those who are busy Within the past ten or twelve years Madam Coste are excellent mid-season plant. Columbine is a favorite for about doing good things. early summer blooming. Canterbury "Mother, may I buy a pot of flow- 5 % % INTEREST

Foxglove is a handsome plant of state-

improvement of preventive agents for Dwarf Iris, which are the first to are desirable: Dutchman's Pipe,

(yellow), then Flowering Almond August to October, having lovely The last of the series is this won- double rose-shaped flowers of blue,

require little attention from year to



Mothers and daughters of all ages are cordially invited to write to this has his own peculiarities, and when department. Initials only will be published with each queston and its answer you get one you almost need a book of as a means of identification, but full name and address must be given in each directions to go with him. letter. Write on one side of paper only. Answers will be malled direct if stamped and addressed envelope is enclosed.

Address all correspondence for this department to Mrs. Helen Law, 23r Woodbine Ave., Toronto.

Lucille:--There does seem to be it her way. Friends must learn this much mystery about making intro- tremendous lesson: Each individual ductions, does there not? When a must live out and work out her own girl introduces you to a girl friend, problems for herself. Friendship does just say, "I am very glad to meet not mean and cannot mean an identiyou." Say the same thing to a boy cal life path. whom you are meeting the first time. Gertrude:-You should not accept Your friend who did not introduce presents of jewellery from this man

ing by, was either rude or knew no farm. Can you help me find an apbetter. Even if she did not know propriate name? I keep about fifteen you very well and knew the young head of cattle and sell milk. The land man much better, it was her place to is level and a brook flows through biscuits. Or, when Eva had on someintroduce you. There are many pro- one end of farm. ple in the world, who neglect the op- More than one person besides L portunity to make people known to C. K. has been puzzled by this same each other, whether because they are question-what name shall I give my not sure of the propriety of the thing, farm? Of course, it is purely a peror whether they are not naturally sonal matter, one for the owner himgracious and kindly, I do not know, self to decide, yet it may be of some It is far better to err on the side of assistance to state in a general way introducing people too freely than on what has influenced some people to

might not let her go, anyway.

work, you would regret having in- are a prominent feature. fluenced her. As to her family, there You can probably make a choice is nothing you can do to make them from the following: Meadowbrook, change their minds. The girl herself Green Meadows, Running Brook, him sent her case fairly and trust that land, Sunlit Lands, Golden Harvest if she is in the right, they will see Dairy Farm, Fallingbrook.

you to the young man who came up unless you are engaged to him.

to talk to her while you were stand- L. C. K .: - I would like to hame my

al object or distinguishing feature of wants to find fault, why don't you

A. B. C.:—You write me that you the farm suggests the name. For inthe same thing before. He will doubt rate the farmer is paying for labor. the membranes lining the nostrils and make our poultry houses pest-proof, want to go to the city to train as a stance, a nice spring brook that can less do it many times again. And in- Package, packing, and selling expense eyelids, while large and small bloody and give a kind welcome to weasels, nurse and that your very best girl be seen by passers-by suggests the evitably he will pay heavily in injured must also be entered against it. | spots or patches are seen upon the owls, hawks, snakes, and toads—all friend wishes to go to the city like- name of Spring Brook Farm, or a wise, but does not care about a nurse's grove of oak trees suggests the name career. Also that her parents do not of Oak Grove Farm or Oak Lawn, or approve of her going to the city and Maple Crest because of a grove of maples which are on a rise of ground Just because you are close friends, or Orchard Grove, Hillside Farm, etc.

you do not both have to become nurses In fact, any individual characteristic do you? I grant it would be nice of the farm can well be used. Again, to be in the same work but in your any characteristic of the buildings case, if you insisted, you might force can be used. For instance, Green her to do something she did not like Gables when the gable of the house and really ought not to do, and then are painted green, and especially if It milked the cows and washed the if some day she was not happy in her the house is so built that the gables



A Real Little Neighbor. the children on Children's Day. Then fitted into a harmony of complement- but not one of them had anything to she saw-Kim when father hired him to ing colors in the light that envelops do with food or the way anything mow the grass in front of her home. the whole. A good painting of out- looked. As he got up from the table Micheal loved flowers and trees and doors has its mixtures of red, yellow he said: grass. Once he had taken care of the and blue, the three primary colors, . "Mr. Arnold is to be in town this flowers in a rich man's garden. But no matter what amount of light may afternoon, and I thought of asking

been brought to a high state of per- his old coat sleeve over his eyes.

more grass to mow. Michael's place a blue bedroom, a green living room, not to do that. Might hurt Eva's feel-

of their banks also, when Edith told

of bloom from June until frost. The florist heard the story, and gave the Toronto Office 20 King St. West.

banker heard the story, and gave the brightest gold coins he could find.

Color Scheme.

uses all the colors there are. You had seen was only a neighbor. So we do not quite believe that. Then sat down to dinner. Eva had had such notice next time you see a fine view a scare that she still wore a hunted Michael was poor and old. Edith or a really natural painting. The look, but was in high spirits. But

sound as if it had much to do with 'But Eva wouldn't hear of that, She He told Edith many stories about doing over the living room. But it insisted on George's bringing Mr.

food is put into them.

swearing at each other.

from three to ten years. Write for Booklet, The Great West Permanent Loan Company.

Rapd advance is being made in the from tulip time till August, get some Of the flowering vines the following each animal, and that for cattle now bloom in the spring. They are excelby veterinarians. "Pasteurella vac- Follow these with intermediate Hardy Flowering Shrubs will give a Be Sure You Hear

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Process Building. Free Recitals Daily. THE MUSICAL MERCHANDISE SALES COMPANY TORONTO 819 YONGE STREET

Curious Creatures

"Men are curious creatures," said Mrs. Hobbs to her recently married visitor, "Almost every one of 'em

"Now, there was my sister's husband. After Eva was married. boarded with her a while so that I could attend school in the vllage. was only fifteen, but I was pretty observing, and at first I puzzled considerably over George. He seemed to be kind and loving for the most part, but he had the meanest way of picking flaws. He certainly had no occasion for it. Eva was a spick-andspan housekeeper and a splendid cook: and she never wore an unbecoming thing in her life. But George was forever making insinuating remarks.

" 'Getting most out of saleratus?' he'd ask, and that would be a hint that there was too much of it in the thing especially pratty, he would want to know if she were trying to set a new fashion. And when he had got off one of those speeches, he would grin in a way that would make me just want to shake him.

"One morning, at breakfast he had to the store I said to Eva, 'If George

"That was a little forthputting for a slip of a girl like me; but Eva only laughed and said she had a good mind to try it, and when I came home from school for dinner I found that she certainly had. The meat was burned and the gravy was oversalted, and the potatoes were soggy, and the coffee was drowned in water and the pie had run over in the oven. It was my job to set the table; and at that age didn't have to try very hard to leave things at sixes and sevens,

"Eva put on a faded old dress, and her hair was every which way, and there was smut on her face. Then we waited for George. 'There he comes now.' I said, 'and there's a man with

" 'My stars!' said Eva. 'It must be that Mr. Arnold, the traveling man that George admires so much. He said he might bring him home to dinner some day. What in the world

shall I do?' "There wasn't time to do anything before George was in the house, But In every good landscape the artist he had no one with him. The man I

him to supper. But perhaps I'd bet-

has. As a matter of fact, the nearer Arnold home with him to supper, and

mind and plans may be made accord- and old-fashioned hollyhock, which has a river of gold," and Michael rubbed a room the better the effect. It is "Look here, sis,' says he, 'I saw one step in the right direction to use you turning up your nose and snickera single or two harmonizing colors- ing to yourself at dinner. You ought

I was pretty pert, as a girl. out of garments sew a small brass food was delicious, and Eva herself George broke open a biscuit, and put Flour must be kept in a perfectly on a silly grin, and asked Eva if the

> "Every time "George would make such a remark, Mr. Arnold would twist it round into the prettiest kind of compliment. Then George would seem to swell up, and his eyes would shine. It wasn't long before I saw that he was just running over with pride in Eva, and his pretense of faultfinding was only his way of bragging about

"After that I liked him better; and though I guess it never was in him to be a real polished gentleman, he has always been a kind husband and a good provider. Of course he has his outs. But, land of love! what man hasn't? They are all curious crea-

Grape and Current Cuttings. Make grape and current cuttings

in Autumn. Select well ripened shoots of this season's growth and cut them into six-inch lengths, each length containing two or more buds; cut them square off below a bud, so that the roots will start out around the end. Have at least one bud above ground end one below. Cuttings should be stored in green sawdust or sand in a cool place where they will not freeze, If the sawdust is too wet the cuttings will mold, and if the temperature is too high the buds will begin to grow as soon as the rest period is over.

ONTARIO ARCHIVES TORONTO