

study the principles of its construc- horses would receive. tion as much as opportunity will per- Specific instructions regarding the cheap is actually very expensive when mit. If the purpose of each part of care of any particular make of trac- viewed in the light of its tillable area. the tractor is understood, better tor are given in the instruction book Wood and pasture land is usually not judgment will be used in its care.

The instruction book which accomthe care of the machine. It also enables the operator to become familiar with the tractor's construction and principles. Under no circumstances oil and water. allow it to become misplaced or lost. 2. That every part is properly lubri-The repair-parts list, which gives cated. cuts, description and number of parts, 3. That all bolts and nuts are tight. is nearly always furnished with the 4. When you have proper fuel, oil instructions and this book therefore and spark adjustment. becomes indispensable in ordering 5. When engine is overloaded new parts or repairs.

other machines but it is doubly true rings or bearings. in the cylinders which must be lubri- properly set. pressures which are occasioned by the ernor are correctly set. explosions within the cylinder. The 9. What kind of lubricant to use lubricating properties of oil are des- each place. troyed by the heat within the cylin- 10. When engine gives signs of disders so that the system of lubrication tress, knocking, overheating, lost for these parts should have special power, etc. attention. Frequent inspection of the Things You Should Do Every Day. supply is also necessary because the 1. Follow out oiling schedule as re- how it can be rearranged. tractor, being a heavy duty machine, quired for each day. consumes much more oil than an auto- 2. Make inspection for worn, heated, mobile engine running at the same or loose parts, nuts and bolts.

The use of kerosene in the engine 4. Drain radiator in cold weather. may also cause some difficulty with the lubricating system. While many engines burn kerosene economically. there are times, especially when the motor may not be hot, when liquid with fresh oil. kerosene gets into the cylinders and

Go over your tractor once a day with rags and wipe off excess dirt 1. Thoroughly overhaul tractor. and grease. This is not so necessary 2. Make renewals. from the standpoint of appearance, 3. Order additional parts and sup-

hatched a few weeks later. These

spiral bands are also made with a

long lap at a slightly increased ex-

ing hens with missing bands.

but neither coffee nor tea.

water a day.

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Rules of Health for Children.

Tractor Things to Know and Do. | pride in its appearance. This daily pecially adapted? What have been "What kind of improvements are Keeping the tractor fit means con- cleaning is more valuable in bringing its per-acre yields of important crops? there on the place, and are they stant care and attention on the part to the attention of the operator loose 2. Size and Arrangement. A second adapted to the purposes of the of the operator. Like a good horse, nuts and bolts, worn or overheated point compounded of several parts has buyer?" A farmer can afford it should be handled and cared for by parts, parts bent or out of adjust- to do with the size of the farm and build a dwelling which costs one man who can become familiar ment, and the like. The tractor repre- the arrangement of its fields. By this amount about equal to the annual inwith it and know its individual re- sents an investment probably equiva- is meant both the total acreage paid come of the farm, and he can afford quirements. While it is an inanimate lent to the value of two teams of for and the actual acreage of arable other buildings costing in all about object, it responds to intelligent treat- horses, and is therefore entitled to as land from which the returns must the same as his dwelling. ment. Further, the operator should much attention daily as two teams of come. As an expert puts it:

which is sent out with the machine. very valuable." In other words, if panies every tractor represents the eral rules which apply to all types acres turn out rough, scrubby. tractor-maker's best judgment as to and makes of tractors, and these may otherwise unproductive, you might as be summarized as follows:

Things You Should Know. 1. That your tanks contain fuel

friction and wear. This is true of tion; that is, no carbon deposits, loose and permanent pasture." of the tractor, because of the heat 7. When valves and ignition are

cated and on account of the heavy 8. When the clutch, brake and gov-

3. Clean tractor with rags.

Every Week.

Every Year.

although the operator should take plies likely to be needed for the year.

In marking hens with leg bands we The following rules in the care and have saved time by purchasing the management of the herd will prove bands which are made for that pur- of value to many farmers who are pose rather than making them. Home- new in the business:

made bands can be constructed of 1. Keep as many cows as you can wire but it takes time and they are properly feed and care for. commercial article which sells at a only the best helfer calves.

to distinguish the pullets, the year- 6. Feed all the good roughage they

old and the two-year-old hens. The will eat up clean, early hatched pullets and cockerels 7. Have faith in your cows and in can also be marked with the spiral the dairy business. bands to separate them from stock

Two Farm Essentials.

pense. Possibly they might stay on better but the single coil with the have a home on every Canadian farm. short lap has proven satisfactory. | if the owner expects to get the most advantage of being more easily seen. to do without either. A typewriter supplied by some means in order to A good mixture which can be fed John, or James would be, and how eagregarded as the working of the power lize her and compare her to that paraare handy in trap-nesting work or mailed promptly, creates a pleasant Oftentimes conditions are such that may be given to pigs on range, is jecture that Philip, who knew the Spirit of Jesus Christ.

down with pliers it is not apt to work as if a picture adds proof to the truth grown, supply their bodies with min
A good mixture to keep before hogs

Lydda, called Lod in 1 Chron. 8: winter days can be spent in putting in a self-feeder is made up of three lines."

But a good mixture to keep before hogs in a self-feeder is made up of three lines. made which are suitable for birds of know beyond all doubt that our cam
Recently I visited the farm of a grant and one part a Greek name, and he may have been equipment to make welds and head for what Nora called an orgy of chance of losing good records by find- logues?

can not be successfully sold direct to self-feeder. A full bath oftener than once a consumer, our experience leads us to I have never seen a weak-boned wrinkled. Brushing the teeth at least once a culated by local dealers and commis- tures. I have heard it said that that sitting upon it. Drinking as much milk as possible,

Eating vegetables or fruit every thirds of a cupful of grated cheese, told me that he never thought of feed-A bowe! movement every morning, one tablespoonful of butter, yolk of ing mineral feeds to his hogs, but he Drinking at least four glasses of one hard-cooked egg, a quarter tea- was doing it just the same when he one hard-cooked egg, a quarter teaspoonful of mustard, a quarter teaspoonful of mustard, a quarter teaspoonful of salt, a pinch of cayenne pepper. Mix to a smooth pasta.

Depend upon your alarm clock to remind you when it is time to peep into the oven and you can rest while the baking goes on.

Depend upon your alarm clock to remind you when it is time to peep into the oven and you can rest while the baking goes on.

Rub a little liquid vaseline into the scalp after a shampoo and the annoying dryness will turn into gloss, and when he came is graphically describsickens all the people languish.

Six Points to Study When You Buy or Sell a Farm.

Are the improvements old or

poor" which is just as undesirable as

that of being "land poor."

1. The Soil. What is the soil like; water supply are the buildings and what is its texture; is it fertile, sour, other improvements that measure the stony; and how has it been handled liveableness of the farm. Here, of by previous farmers? Associated course, there is room for considerable with this are such suplementary points latitude, but the range of the quesas: Is it well drained, naturally or tions to be asked under this head is artificially? To what crops is it es- well expressed by this query:

sufficient, or out of proportion to the

"Very frequently land that sounds There are, however, a number of gen- you buy 100 acres for \$5,000 and 75 well consider the property as consisting of 52 acres which must pay interest on a valuation of \$200 an acre, instead of the \$50 per acre you paid presumably, for the whole farm. An-

other adviser cantions: "See that the sum of the differer kinds of land-pasture, woodland, tilled fields, house lot, etc.-equals and does not exceed the figure given for the whole farm. Be watchful for The greatest foes of the tractor are 6. When engine is in good condi- a possible duplication of wood lot

The arrangement of the fields sometimes obviously good or poor. But more often a farmer gets so used to going the longest way round, or to avoiding a wet swale or a pile of rocks, or to tilling half a dozen little fields that might be better thrown into one, that he loses sight of the inconvenience to which he is being subjected, and the time and money he is wasting. Study the farm to see not only how it is arranged, but also

has special significance in these days the farm, since climate, the intellec- giving you that longed-for bit of Experienced travelers rise and make last glance round the rooms. They

poorly located that every gallon of farm, if the former has to be reached and softened. Somehow I feel if you hold all the toilet belongings. water used has to be "toted" at an al- over muddy, rut-carved, uncared-for most inconceivable cost in the aggre- roads or by crossing an insecure bridge gate of both time (which means over a stream frequently subject to money) and human effort and com- floods, while the latter is reached via hard-surfaced highways and easy

5. Buildings. Closely related to the grades.

Mineral Feeds For Hogs. "If you want strong-boned hogs, true of hogs kept for breeding pur-

moderate price. We like the single coil spiral bands which are made in several colors. They slip on quickly and stay. The birds cannot pick them mossible.

and stay. The birds cannot pick them mossible.

and only the best heffer calves.

3. Use the scales, Babcock tester should be evident to every breeder in the feedlot besides what they get development is a great asset to grow- eral food. I have seen them crunch (or Paul) the Christians of Jerusalem deny all such events as those of the tures,—or to give the new house any

The spiral bands are also made out of his products. He would as that additional mineral feed must be side to discostion.

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The spiral bands are also made out of his products. He would as the discostion one of these little communities of the Dorcas we have an actual event of Mine Porton day, and the poor girl just broke down. with a double coll and these have the soon try to farm without power as that additional mineral feed must be aid to digestion.

for designating certain hens of special impression on the man who has writ- the hog picks up the minerals him- made up of the following ingredients: country towns so well, and who lived value when they are culled to find ten to enquire about your products. self. Hogs having access to lots One hundred pounds of wood ashes, in Caesarea, may have told these storthe best egg-laying types. We like A camera is a valuable aid in sellthe bands the best that are the least in four pounds of salt, forty pounds of salt, forty pounds who was Paul's companion when he the bands the best that are the least ing farm products direct by mail. ed may supply themselves in liberal of slaked lime, four pounds of cop- who was Paul's companion when he visited him in Caesarea, and when complicated. One type consists of There is something convincing about quantity of the calciums. Hogs run- peras, thirty pounds of charcoal; mix Paul was a prisoner there (Acts 21: double clinches for locking around a picture—something difficult to ex-

all sizes but we do not like them as well as the system of clinching is more complicated and occasionally we more complicated and occasionally we large the system of clinching is more complicated and occasionally we large the system of clinching is more complicated and occasionally we large the system of clinching is no need of feeding ground bone or many such in Palestine. Peter said to him "Eneas Jesus Christ healeth a start, others can be made. Old many other phosphorous carriers. As to him "Eneas Jesus Christ healeth a start, others can be made. Old many other phosphorous carriers. But at the all sizes but we do not like them as era is valuable in our business. Well-recognized hog breeder who wood ashes or charcoal, and one part a Greek name, and he may have been equipment to make welds and bend have had such a band work loose, to do with every sale made by mail. He lays emphasis on strength of bone tankage carries sufficient.

| Well-developed boars and brood sows. Is no need of recuing ground bone any other phosphorous carriers, as to him, "Æneas, Jesus Christ healeth tankage carries sufficient.

| Well-developed boars and brood sows. Is no need of recuing ground bone any other phosphorous carriers, as to him, "Æneas, Jesus Christ healeth tankage carries sufficient.

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| Well-developed boars and brood sows. Is no need of recuing ground bone to him, "Æneas, Jesus Christ healeth tankage carries sufficient." metal rivet are valued highly by some cessful mail-order houses spend vast lent breeding shape. He had a small poultrymen who wish to take no fortunes in illustrating their cata- piece of woodland and a clover field adjoining in which he said his hogs Although it has been argued times licked up most of their mineral feed without number that farm products rather than take so much from the tient.

believe that such statements are cir- hog where they have access to passion men who have been lining their was because the pastured hog got Sleeping long hours with windows pockets from both producer and con- sufficient exercise to stimulate a good main in the room. bone development, which has some weight, but forage crops contain a great deal of calcium which enters Cheese sandwiches require two- into the bone structure. One breeder

sential that their bodies be supplied with mineral feeds; especially is this hogs that will carry their flesh well, poses. Hogs that are finished for usually not as satisfactory as the 2. Use purebred sires and raise give them the feeds to make bone," killing at two hundred pounds or so

> development is a great asset to growing hogs; the lack of it is seen in the
> big stock yards where hogs with a
>
> Corncobs are suitable in some respects
>
> Development is a great asset to growand Judaea had comparative peace, present lesson, and to regard these of the lovely touches that she had persecutor. See 9: 31. But persecutor. See 9: 31. But persecutor. Criticism is institionally but loved to give the old one. Janet big stock yards where hogs with a Corncobs are suitable in some respects light or weak bone are crushed or lift they are charred; they can be chartion, while it lasted, had driven many it must be based upon evidence, and she could not make them distinctive. mashed, legs broken or ribs caved in red by putting them in a metal drum of those who lived in Jerusalem to history has abundantly shown how through shipping and handling.
>
> that is closed at the top, or the pile seek homes elsewhere. They had carprecarious it is to assume, apart from the powr home with the cold Mineral matter in the feed, or of cobs may be covered with dirt and ried the gospel with them and they the evidence that certain things canavailable, will produce good bone charred in the old-fashioned way. founded Christian churches and com- not have happened. The modern scigrowth if of the proper kind. Most Charcoal can be purchased for the munities wherever they went. The entific view of the world does not Parker who made Nora see. One day of the mineral feed eaten by hogs is purpose. Charcoal are beneficial to church in Jerusalem became a mother create or deny facts, but only tries Nora came home sputtering. A typewriter and a camera should utilized in the bony structure or skelethe digestive tract. Besides these, church and had a care over its daughtounderstand them. And all the facts "Leila Parker makes me so mad!" ton. The grain we commonly feed bone flour is valuable to furnish phosfrom time to visit them. We understood or explained We may she cried. "Lena Parker makes me so mad!"

to pigs confined in small lots or that erly looked for. It is an interesting conof God through the name and by the gon of a Miss Marvin. As if anyone

Sick Room Dont's.

Don't jar the bed by leaning or Don't allow stale flowers to re

Don't appear anxious. on one's nerves more than this.

Playing part of the day out-of- spoonful of salt, a pinch of cayenne fed them skim-milk and tankage. Into the oven and you can rest while



Mrs. Helen Law, 235 Woodbine Ave., Toronto.

about your hair being lighter in some place than in others. You have probably exposed it to the sun, my dear, and it has bleached where the sun's rays have struck it. When you are working in the sun next summer, protect it with a big hat. If you are very true value of the farm, and so exwise, you will do nothing about it, for tensive as to prove burdensome? it will soon grow out from the roots There is a state of being "building and if as I said above you are careful

6. What of the Farm's Environment and Community? This, the last of the most essential questions to ask Until you are very much older you wear, nor where to put my things. as climate, and, of prime importance, you think you are wise to accept a ring and into this you can put some of your the people of the community. Take or a watch from a boy who is just a belongings; others can be placed on any one of these factors you like and friend? Will not your acceptance of the shelf, which is made by folding you will findthat it affects the value it imply that you consider your rela- up the back of the seat, and a coatof the farm in three different ways. tion more than that of a friend? Con- hanger will be hung against the cur- siping and imaginary ill health, and The first deals with the economic vention decrees nothing absolute in tains of your berth. All of this will supplies a person with a reserve from side of farm management—the mar- that regard but it is my opinion that help you in disposing of your day- which to draw in times of sickness, keting of its products, the obtaining presents of jewellery should not be clothing. of supplies and of labor, the cost of exchanged except by engaged couples. When you are about to retire, draw are not filled with employment.

in relation to schools, churches, stores, out of a pure love. mail and telephone facilities, Doleful: My dear girl, you are not to and from the dressing-room. intercourse; and, second, in respect to pathetic little problem about an allow- the night, but are worn to and from 3. Topography. The lay of the land life of the man, woman, and child on How I wish I could help you all by not always necessary.

INTERNATIONAL LESSON.

February 8.

he will give it to you. a powder, add one-half pound of orris reading community is almost invari-

if you wish. Use as a wash cloth. next summer, it will soon, I am sure, Inexperienced: How can one be com-

take on the proper shade all over your fortable in a sleeping-car? I have eral atmosphere of the home, for never traveled so do not know what to about a farm, includes roads and should not go driving at night with In making up the berth in a sleeprailway facilities, the geographical your young man friend without an ing-car, the porter will hang a small location and its characteristics, such older person or a girl companion. Do net hammock between the windows,

production, etc., not to mention the I am very sorry this young fellow is the curtains and fasten the buttons. effects (of climate, for instance) so jealous. Ask him some day if he Some travelers prefer to keep on their boys and girls interested in the home upon every detail of the actual crop considers it complimentary to you that underwear, wearing a kimono over it. and animal production. The second he cannot trust you to speak to other Others prefer to remove all clothing, determines the social life and status boys. I think jealousy is a kind of sel- changing the undervest and putting on of the farmer and his family-first fishness, don't you? It cannot grow a night-dress; over this is worn a kimono, which you will need in going vide his home with good reading is

the character and desirability of the ance and a father who doesn't under- the dressing-room. You might provide Stock Exchange. people themselves as neighbors, stand and various pitiful little needs a boudoir cap of India or China silk friends, and co-workers. The third that you wish to satisfy. There seem to wear when the hair needs to be group of effects bear upon the actual to be lots of you, bless your hearts! protected from the dust, but this is

of machine farming and power equip- tual development of the neighborhood, money that would spell happiness for their toilets early, as the dressing- were desolate-looking rooms, with the ment. Is it level so as to permit the and the ideals and habits of its peo- you. I cannot even suggest any sure room is sure to be crowded later. furniture standing about in impossible use of such machinery, or is it roll- ple all contribute directly to the way of getting it and the only con- Much of one's dressing can be done in places and looking as shabby as furniing, hilly, or cut by gullies or ledges? maintenance or destruction of health solation I can offer you is that when the berth; if you find that you can ture always does look when the mov-1. When using kerosene drain crank Is it easy to cultivate, or is there and, through that channel, to the you have girls of your own, you will not manage this, you can take your ing men have just gone; but Mr. case, wash with kerosene, replace danger of soil erosion taking place, very foundation stones of happy, useunderstand and keep such misery from belongings to the dressing-room and Peters was used to seeing houses at 2. Make inspection of other parts losses? And is the air drainage good, In seeking answers to this group of talk with your father? Have you told dressing-room as you are entitled to, "It looks some upset just this mincuts or thins the lubricating oil so of motor. Do not make adjustment especially in the case of the farm that questions in particular, no little tact him of the legitimate needs you have but in fairness to other travelers do ute," he acknowledged, his kind face unless it is clearly necessary, and is sought for the growing of fruit? and persistence are required. It is and how much happiness that little not monopolize it. For example, while full of sympathy, "but it will be a 4. Water Supply. Quite aside from not enough, for instance, to find out sum each week would bring you? Or traveling on a crowded car last year, right cosy little place as soon as you this reason, many manufacturers of the from heaven or from irrigation that the average annual rainfall for have you just sulked and been unpleas- a number of passengers were uncom- begin to live into it." ther from heaven or from irrigation the section is forty inches; the im- ant whenever you have spoken of it? fortably delayed by the thoughtless- "And now," Janet said laughing, as ditch, is there an adequate, unfailing, portant thing is, how much of that I know a girl whose father just could ness of two girls who not only took the door closed behind him, "to begin and replacing with fresh oil after Examine valve and valve adjustdrinking water? Offhand one is like
Examine valve and valve adjustdrinking water? Offhand one is like
and replacing with fresh oil after bottom and unnecessary length of time to make to live "into" it." drinking water? Offhand one is like- months when it is needed, and how ance she needed each week at school, their toilets, but proceeded to spread Nora brushed angry tears out of ly to scoff at the possibility of over- much in the form of torrential, large- so she asked him if she might earn it. out their belongings and repack their her eyes. looking such an important feature, ly wasted spring or winter storms? And she did, working hours after suitcases on the dressing-room floor. "I don't see how you can joke over yet upon how many farms are man Again, as to location, the town two school and insisting on doing work her A suitcase should not be carried into it!" she cried brokenly. "This little and beast dependent on a single shal- miles distant may be far less acces- brothers should have one. Her father a dressing-room at such a time. A cheap house on this little cheap

tribute of tears which they gave as the new home; so she began at once.

lavishly was the highest praise. from time to time to visit them. We understood or explained. We may my office to-day, and we got to talk-

Farm Shop Saves Money.

Don't forget to be kind and panews of this wonderful event spread
abroad and the people of Lydda and
the plain of Sharon which bordered
they are to be put. Tongs of any
size and shape may be made from upon the sea turned to faith in the size and shape may be made from the wrought iron parts. Add to the Don't rattle papers. Nothing gets on one's nerves more than this.

Don't forget to be kind and patient!

Its identity is doubtful.

Tabitha, the Aramaic, word for ganger will become. Results at first may be disappointing, but the new smithy be disappointing, but the new smithy good works and alm teeds which she can soon develop a proficiency if

**READING IN THE** HOME

Country life has broadened in cent years and now occupies a place much larger than the little round of daily routine that formerly constituted the total activities of many folks The knowledge and the spirit which have led rural life out of its old past came very largely from homes sun-M. V. B.: You should not be worried do your best and are as nice and sweet plied with libraries and reading about it to your father as you can be, tables. We have competent leaders who have not had a wide acquaint. Clementina: To make a bath bag, ance with books, but considering peo scrape a bar of pure castile soap into ple in the mass, it is true that the root, one-half pound of almond meal ably the progressive community, and and one and one-half pounds of oat- the reading farmer an influential one meal. Make cheese cloth bags four The homes with libraries include our inches square and put a heaping table- best homes, while homes that send out spoonful of the mixture in each-less the incorrigible specimens of the race are generally without helpful books

Libraries usually change the gen when the members of the household have the advantage of ideas gleaned in reading, their conversation rises above the petty things of every day during old age, or whenever the hours

Then, too, it is easier to keep the where reading has been emphasized. Such an interest is a standard antidote for harmful outside influences. The farmer who takes plains to promaking an investment that will regranges and other means of human the only one to come to me with your Shoes and stockings are removed for turn larger dividends than any stocks ever offered by the brokers of the

Living Into It

low well or a few casual springs so sible than one six mess from another soon realized what it meant to her toilet-case or a Pullman apron will street! But if that were all, I could stand it. It's leaving behind, all the memories-and mother's room-"

ed, as if told by an eye-witness-the "I know, dear," Janet replied gentupper chamber, the still form of the ly. She wanted to cry out that she dead, and the widows weeping and knew a thousand times better than showing the "coats and garments Nora, for she never had left home for college or anything else. But the able burial than that which they only way to be true to the memories would have given her. The simple was to carry the spirit of them into

Many times in the next week Jan-She opened her eyes. It is impos- et almost grew discouraged. It was

could do her best when she is forever being criticized and compared to a paragon! As if-" Nora broke off sharply, a startled

look in her eyes. "What's the matter, Norrie?" Janet

to him, "Æneas, Jesus Christ healeth the chinery ready for the junk neap can amazement. The pictures had been and power of Jesus with him, so sure be rescued and handy tools made hung, there were curtains up, and is he that he can rely upon Him at from its steel. Chisels of all shapes flowers where no one but Nora would this moment, that no declares to the and sizes, S-wrenches and the like, have thought of putting them. The little room was really beautiful. "Norrie!" Janet cried.

Nora met her eyes bravely. 36-43. Joppa, an ancient seaport, equipment a press drill, and many list now called Jaffa. The house of Sivisits to the village blacksmith will nothing of being horribly selfish. mon the tanner, where Peter lodged, be forestalled. The best thing about Mr. Peters was right. There's a heap is still pointed out to travellers, but having a shop is that the more it is of difference between living in a

## BIG INFLUX OF IN CANADA

The general provisions while

There is an absolute ban or tionals of Germany, Austria-H

Ban on Former Foes.

Flag of Zion Floats From Palestine's N

A despatch from New York the blue and white flag of Zi was renamed "Hec-holutz" (Th

British Release German Ac

A despatch from London

