

## By Agronomist.

This Department is for the use of our farm readers who want the advice of an expert on any question regarding soil, seed, crops, etc. If your question is of sufficient general interest, it will be answered through this column. If stamped and addressed envelope is enclosed with your letter, a complete answer will be mailed to you. Address Agronomist, care of Wilson Publishing Co., Ltd., 73 Adelaide St. W., Toronto.

Saving the Grain. Our Government estimates that the farmer loses three per cent. of his grain each year through careless into the stack.

threshing methods, and very often it is the farmer himself who is most to blame. Anxious to speed up a wearisome but very necessary job, he forgets that the big idea is to get as much grain as possible instead of getting the work done in the shortest time. While the causes of waste are com-

paratively few, avery precaution should be taken for its prevention. Grain threshed when it is tough and damp is sure to represent a loss. It is impressible for is impossible for the separator to re-move all the kernels, and an unbe-lievable amount of grain goes over with the straw. The value of the with the straw. The value of the time lost in waiting for the bundles to dry will be more than made up by the saving in grain.

he saving in grain. A competent separator man will of lightning rods on farm buildings. He put them on his buildings and ad-A competent separator man will keep his machine adjusted and run-ning at the proper speed, but he of ten becomes careless and thinks more about the number of bushels going into the feeder than of how much grain gets to the bin. From long as-sociation many farmers understand threshing machinery well enough to find out for themselves if everything is working properly, and should not neglect to see that adjustments are made whenever needed. Where the portable elevator is used the waste in transfering grain from wagon to bin is very slight. However, not every farm is so equipped. Shovel-ing grain is hardly child's play under



<text><text><text><text><text><text><text><text><text><text> Standard size and size and size is trength, vigor, proper housing, feed and care, are necessary to success. Even strictly egg farmers must select and breed to a dvertising and it has never been standard for size and shape. Pure bred fowls unless carefully culled will degenerate, showing different characteristics, different sizes, shapes, etc., and is a class difficult to handle in large focks, to house and keed the dotter a mean so of farming to day with the simple occupation which it was in our grandfarbers' time, you will understand often his best advertising right in the home community. There is no thouse and range room for the more desirable during the autumn months.
Green food in some form, as well as sour milk or buttermilk, should be supplied to both the old and young stock if possible. A good grade of meat meal, beef or fias scraps should also be supplied. These foods will develop better youngsters and will insure the adult stock being in far better ter condition the winter.
Be Cheerful.
It doesn't help the boys out there is not much time left for mereter to avent the doult stock being in far better to meat meal, beef or fias scraps should also be supplied. These foods will in the home desurptied to both the old and young stock if possible. A good grade of meat meal, beef or fias scraps should has be supplied to both the old and young stock if possible. A good grade of meat meal, beef or fias scraps should also be supplied to both the old and young stock if possible. A good grade of meat meal, beef or fias scraps should has be supplied to both the old and young to the dould the store is not much time left for mereter. To whimper that the food of care is not much time left for mereter is not much time left for mereter. To whimper that the food is the store is storeng. The whole well. A new science has grown up in the store of th To whimper that the foe is strong, It doesn't lift their load of care A new science has grown up in the last generation which consists of the study of the brain and nervous sys-Training to Stand To wail that things are going wro It doesn't keep their spirits high There is no one thing that shows the amateur quite as much as to bring animals into the ring that are not ac-tually broken to lead. The show ani-tually broken to lead. tem. It has a very long name and very delicate and complicated instru-ments with which to make its discovought to be taught to lead right Keep cheerful! though the task is hard And hopeful though the days are grim. Our own merale we now must guard, we must have faith when hope is come about. up b the master and not have to come about. One of these discoveries is that our dim. Though hearts grow heavy now and muscles play an important part in the growth of our minds. It has been found that those parts of the brain in which are seated the centres which control our muscles lie round those bleed, be our cry: "We shall succeed!" ough disasters round us fall e courageous through them all. And th

War times are teaching us that there is no economy in buying the cheapest goods not the fancy high priced ones. We are depending on the solid values of the good standard brands - the brands that were good in peace time and have doubly proved their worth in war time.

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## **MOTHER-WISDOM**

## All Day Long the Happy Farm Child Learns by Doing.

By Helen Johnson Keves

Education has a new slogan: centres which makes us think and

time. You remember that when our little that, occupied with these studies while farm does one, for instance, which

Pro

A sector

## **GOOD HEALTH QUESTION BOX**

By Andrew F. Currier, M.D. Dr. Currier will answer all signed letters pretaining to Health. If your question is of general interest it will be answered through these columns: if not, it will be answered personally if stamped, addressed envelope is en-closed. Dr. Currier will not prescribe for individual cases or make diagnosis. Address Dr. Andrew F. Currier, care of Wilson Publishing Co., 73 Adelaide Bt. West, Toronto.

The Meaning of Tonics.

drug. But it is of great value in certain

DOING THE **OBVIOUS THING** 

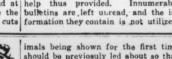
War, we are told, is proving the nettle of our men. It is stripping mettle of our men. It is stripping them of all pretences and forcing them to show themselves in their true light, either as the real stuff or we lings. No one remembers the h Or it may be the means of putting lings. No one remembers the hun,

The Meaning of Tonics. No medicines are used by those who do not consult a doctor for their ail-ments to such an extent as tonics. Many of these preparations are not tonics as advertised but simply mix-tures in which the principal ingredi-ents is alcohol. But alcohol is not a tonic, it stim-ulates at first and then depresses and is the worst kind of a habit-forming-drug. But it is of great value in certain drug. But it is of great value in certain monditions especially when it is neces-sary to produce heat quickly and stir up a fainting heart. It cannot possibly be useful when taken for weeks and months in pre-parations in which it forms 50, 60, or 70 per cent. Such preparations surely are not medicines in the proper sense of the term. A bonic is a substance which helps the organs of the body to improve the quality of their work, the heart to beat more slowly and vigorously, the the mode the proper sense of the the and many loss of sleep, and absorp-tion of poisonous material need tonics, and after prolonged confinement in an improperly heated and ventilated house or place of business. The dull and listless feeling which for a tonic, and it is then that the highways and byways are alive with faming advertisements of all sorts of patent medicines, presumably tonics, to deceive the unwary. The tuberculous weakened by sweat ing, ough, loss of sleep, and absorp-tion of poisonous material need tonics, and these should be selected which will help and not delude and disap-point them. The ansemir, nale and weak from the selected which leags in the selected which will help and not delude and disap-point them. The ansemir, nale and weak from the selected which leags in the selected which and those should be selected which they in the crib. It was two o'clock, law in the crib. It was two o'clock, and the provide the selected which and the provide the selected which the selected which helps the selected which leags in the selected which and these should be and disap-tively in the crib. It was two o'clock, and the provide the selected which and the provide the selected which and these should be the selected which and the provide the selected which and the

the quality of their work, the near to beat more slowly and vigorously, the lungs to expand and contract more fercibly, the digestive apparatus to brain to think more effectively, the brain to think more clearly and per-

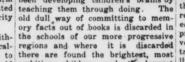
dispose of food more effectively, the brain to think more clearly and per-sistently. Perhaps it will not do all these things directly, but if it does one of them successful action in other directions. The pure air of the mountains or the forest is a tonic to the lungs, but it also brings more oxygen to the blood and hence means better blood in the digestive organs, heart, liver, brain, and kidneys. Therefore pure air is one of the best and cheapest tonics as the resulting, redness, sortagious conjunc-tivitis, being an infectious conductor of the mucous membrane which cov-ers the eyes. Its principal symp-toms are swelling, redness, sortagi symp-toms are swelling, redness, sorters and a free discharge from the eye available to almost everybody. People need tonics sometimes be-cause they really have some kind of disease, and sometimes merely be-cause their machinery is slowing down and needs bracing up. The tonic in the first instance may

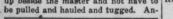
"Oh, she's gone up north to pick cherries," said Mrs. K. bitterly. "She



ment report advocated the installation

not every farm is so equipped. Shoveling grain is hardly child's play under the best of circumstances, and if the state his own experiments are astimating door or work in a cramp- of position, not all the grain door to the wagon will state considerable. Carless and fast pitching into the grain fast pitching into the machine is another cause of wate. On a neighborhood run, where help is traded back and forth instead of the distance o

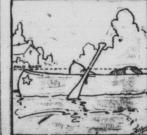








WELL SPORT, IT'S SATURDAY AGAIN I'LL SWEEP THE WALK FOR MA, AND THE VE'LL BORROW BROTHER BOB'S CANOE AND TAKE A TRIP - JUST ME AND YOU!



maintained under good control. It should be high enough and tight en-ough to keep out poultry. Some farmers fence their poultry and leave the garden unprotected. Others fence their garden and give the poul-ter the foredom of the farm MY.

try the freedom of the farm. observation leads me to believe that the farmers with the fenced gardens raise the most and the best vegetables. A confined hen will fly out on occasions but a hen with the free-dom of the remainder of the earth will often condescend to remain ou of a fenced garden. In order to do their best, vegetable

need a little rain at frequent intervals Light showers coming often are more conducive to growth than a heavy rain followed by a long dry-spell. Some market gardeners install watering systems and they find the investment an insurance against the dry periods which sometimes nearly ruin fine which sometimes nearly ruin fine crops of vegetables. Doubtless the crops of vegetables. Doubtless the installation of systems for supplying water to farm homes will be followed in some cases by an effort to irrigate the garden crops. This will prove an especially valuable asset if vegetable growing is to be depended upon for a part of the farm income. Vegetable growing means hard

work and a large amount of time ex-pended on a small area. However, the effort to produce a fine variety of first-class truck for home use saves expense in keeping up the table and makes the farm a better place to live. -----

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winter and spring.

ing and take the youngsters off your hands a few hours every day?" "Mother is running a taxicab to re-

lieve a man for war work. She never could do housework; it is too heavy. I believe she has joined the 'back-tothe-farm' movement, or whatever they call it, and is going to the coun-try soon to help in the wheat har-vest. She can handle a pitchfork all right, but it hurts her back to wring

right, but it hurts her back to wring out a map." There was a few minutes' eloquent silence. "I am ashamed of myself," she broke the silence, "and if I hadn't been so tired I would never have criti-cised my own mother and sister. But it does seem funny that so many folks can't see that their own blood and kin need a little help, isn't it? Mother isn't the only one. I know a half need a iiftie help, isn't if addher isn't the only one. I know a half dozen, yes, a half a hundred, who are neglecting their obvious duty to chase about doing something everyone wish-es they wouldn't do. And then we scold children for wanting to make a cake when all they can do is dry the saucers." SRUCETS.

Cut out and burn the old blackberry and raspberry canes as soon as they fruited. Celery may be blanched by means of boards, paper or drain-tile. Earth is likely to cause decay if applied when the soil or foliage is wet. fruited.