

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 etamped and addressed envelope is enclosed with your letter, a complete answer will be answered. answer will be mailed to you. Address Agronomist, care of Wilson Publishing Co., Ltd., 73 Adelaide St. W., Toronto.

THE LURE OF A KITCHEN GARDEN.

den space is available and there is the full so that a visitor viewing it for the first time would conclude that we spare help to take care of it.

Last year in this little backyard had grown no early garden. garden we grew lettuce, radishes, By the time the bunch beans are onions, peas, beets, bunch and stick gone, the taller varieties grown beans, tomatoes, cucumbers, red pep- around the edge of the garden and alpers, and celery.

ered in the forenoon and served at tember. the midday meal. So we say that best way to have them is to grow them.

In growing peas we have not found the strictly dwarf varieties best Personally we prefer the semi-dwarf kinds, as they require less room and yield more abundantly. If bits of brush are not available for sticks, a few short kindling pieces may be driven into the ground on each side of the rows about 8 or 10 feet apart Binder twine or cord of any kind may then be strung on these, a round being added from time to time as the vines gain in height.

Our little garden spot was not naturally fertile, but a few loads of manure the first year, followed by from 20 to 30 wheel-barrow loads of stable manure each year thereafter, keep it productive. In spading it we have always gone as deep as the spading-fork tines would allow. In the soft, mellow, humus-filled soil spading to this depth is a comparatively easy Beginning with good soil and deep tillage, the conservation of moisture, even in a dry season, is not dif-

worked, it was stirred so as to pre- The turning over and mixing of the to provide instead a thorough dust | melting snow to fill the subsoil with mulch. A slight sprinkling of the moisture, the plant food in the magarden every few days induces a nure is less likely to be lost by washshallow root growth, and more harm ing and leaching, and the insect pests than good is done. We practice level that have hibernated in the leaves, planting exclusively, making no hills rubbish, and top soil are in great or ridges. With this method and in measure destroyed. Last, but not rich soil, rows may be only half the least, the lower soil stratum turned ordinary distance apart.

we always plan to let later growths be much more easily brought into come in between. For this reason, good tilth in the spring. to one unacquainted with our plan, it When the garden soil is handled as would seem that when the early let- I have described, we find no advantage tuce, radishes, onions, beets, and peas in respading or preparing the seed are in the whole garden has been bed much in advance of planting unplanted and that there is no room for less the spring is so dry as to enanything else. A little later, though, danger the moisture supply by evaporrows of other vegetables are seeded ation. But should continued drying right in between these, just as if they | weather prevail before planting time, were not there.

ledged, things are pretty badly crowd- nothing is gained by trying to hurry toes, set in the radish rows. Neces- averaged annually \$50 worth of vege- food tube or gullet, and by loose bands stretchings. sarily, this condition made even hoe- tables. Furthermore, we have had or ligaments attached to the dia- . The stomach of a full grown adult of cultivating, for the time being, was could not have bought on the mar- the spleen on the left. done by using a hand weeder and ket. Best of all, we have added to spading fork. Soon, though, the rows our health and happiness while doing of radishes, early peas, lettuce and our bit in food production and cononions-ten in all-were removed.

## Have a Bird Sanctuary.

Birds eat insects. Insects destroy farmers of the great potato bearing about \$1,300,000,000 worth of grain, countries are compelled to pay milfruit, vegetables, and trees every lions for materials to kill potatothat money but they can help to save and other species consider potatoscheme of nature, birds were created haven't enough of these birds to do to keep the insects in check. They the work. car do it and do it well.

foresight and many other reasons, we have wiped out nearly ninety per cold weather in spring, floods, ice cent. of our bird life. Now, it's up to us to use all means possible to bring back the right balance of bird and in some places blue jays, crows, life. When you destroy the balance of anything, something happens. The

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SMOKE TUCKETTS

For four seasons we have had a! In the meantime we had set 48 potgarden plot only 20 x 25 feet. On this grown tomato plants, each plant with small tract of ground we have grown a piece of paper wrapped around and all the vegeables, except potatoes and extending from just beneath the soil sweet corn, needed for our family of to about two inches above, as a prothree persons. Furthermore, the tection against cut-worms. A dozen surplus garden products given away red-pepper plants-more than we would, if sold, have more than paid needed-had been started. By the time for all the roasting ears and potatoes the first tomatoes were ripe, the garthat we bought. The results we have den is made up of beans, tomatoes, obtained with our small garden can cucumbers, peppers, and perhaps some be greatly increased where more gar- late beets. Again the garden seems

lowed to trail on the woven-wire fence Peas, to be at their best, should be are ready for use, and continue gathered while still small and tender. throughout practically the entire sea-Furthermore, the chemical changes son. Beans and tomatoes make up that take place in this vegetable are the most of the late summer garden, more marked and more rapid than in but before cold weather head lettuce almost any other. There is all the and celery are growing between the difference in sweetness and in flavor rows of tomatoes. . Celery, as every between peas that have been off the experienced gardener knows, heads vine from twenty-four to forty-eight best in cool weather only, the growth hours when compared with those gath- here being made principally in Sep-

While we enjoy growing all vegefor one who really cares for peas the tables for which we find room, tomatoes afford us our greatest pleasure and largest profits.

For tomatoes the most satisfactory stake that we have ever tried consists of two pieces split from heavy boards, such as are used in shipping boxes. One piece is sharpened and this mailed to another. Two 4-foot pieces will give a 7-foot stake, allowing one foot for lap. The shoulder, formed where the pieces are nailed together, affords an excellent place on which to hammer when the stakes are being set. We keep all suckers picked off the tomato vines, allowing only one or two main central stems. During the growing season the vines should be gone over, suckered, and tied up every few days. Cloth strings -from rags of any kind-should be used so as not to cut or otherwise injure the vines.

In the autumn after having spread 30 wheel-barrow loads of well-rotted stable manure over the surface, the entire garden patch was spaded good and deep.

This fall clean-up and spading of After each rainfall, and as soon as the soil of the entire garden are of the ground was dry enough to be much importance for several reasons. vent the formation of any crust and soil and manure allows the rain and up better receives the frost action, In planting the earliest vegetables and in consequence is in condition to

spading and a surface mulch check By this time, it must be acknow- the escape of moisture. In any case,

servation.

balance of bird life has been upset; It is patriotic to save the birds, that's one of the reasons why the Now the birds can save all bugs. Quail, rose-breasted grosbeaks a big portion o. it. In the great bugs the greatest delicacy, but we

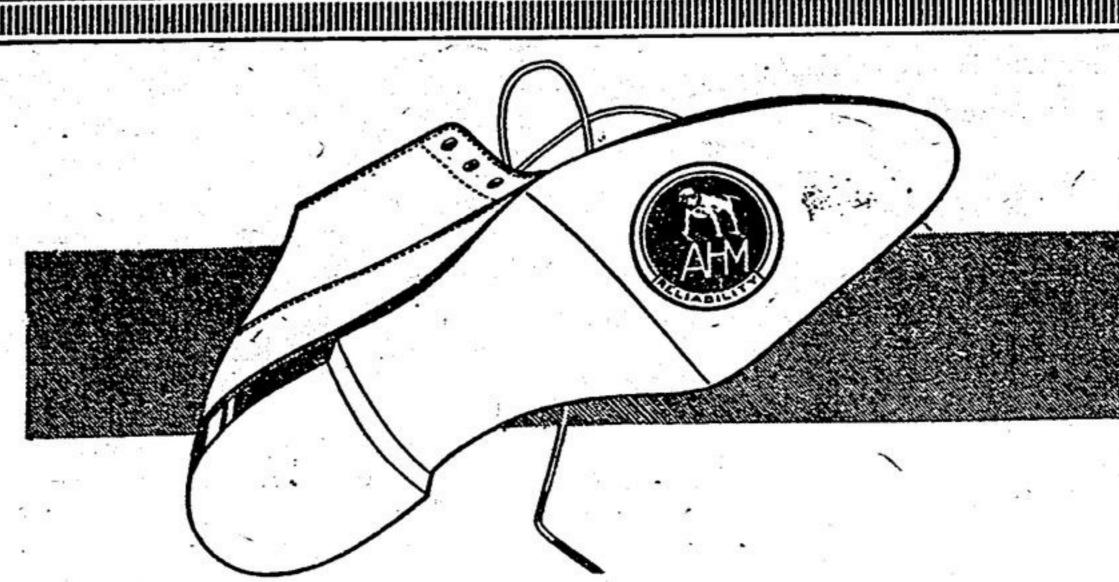
What are the worst enemies of much mismanagement, lack of birds? Man, cats, English sparrows, red squirrels, continued rains and late storms, rats; snakes, Cooper's pigeon, marsh and sharp-shinned hawks;

grackles and cowbirds. How can cats be prevented from getting birds? Get rid of the cats, or use tin funnel-shaped guards around trees and poles; also by planting a Dorothy Perkins rosebush

around trees which contain nests. What birds walk instead of hop? Blackbird, crow, meadow-lark, cowbird and ovenbird.

Should bird-houses be cleaned in the spring? The largest manufacturer of bird-houses and a sincere lover of birds says, "No," and we agree with him. Leave the houses alone.

Why get mad when an idea strikes you? It may be the making of you.



# Why you should look for this Trade-mark on your Shoes

TRADE-MARK is a manufacturers' signature. If a firm makes an article they are prepared to stand behind—they stamp it with their trade-mark. It is put on their goods so you may identify them. It stands to reason, therefore, that it is safer for the public to always buy "known" and "trade-marked" shoes rather than "anonymous" shoes.

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## AMES HOLDEN McCREADY

"Shoemakers to the Nation"



## GOOD HEALTH QUESTION BOX

By Andrew F. Currier, M.D.

Dr. Currier will answer all signed letters pertaining 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 enclosed. Dr. Currier will not prescribe for individual cases or make diagnosis. Address Dr. Andrew F. Currier, care of Wilson Publishing Co., 78 Adelaide St. West, Toronto.

Falling Of The Stomach.

the stomach-what it means, and and undergoing digestion. what are some of its symptoms.

Though so loosely held, it is in I have been asked to write an motion most of the time, particul and drinking. article on gastroptosis, or falling of larly when food is churned about in it,

The stomach is very movable, be- ligaments stretch easily and, lacking shape, constant fermentation and gas ed. In our little garden we have had plants into the ground before condiling in the upper part of the abdominal the resiliency of an elastic tissue, they formation balloon it into a great bag, 20 rows of vegetables all at once, tions are favorable for their growth. cavity, extending from right to left do not return to their normal bound- and it encroaches upon neighboring with double plantings, such as toma- From our little garden we have and held in place by the aries after a certain number of

ing difficult, so that most of the work vegetables of a quality such as we phragm, to the liver on the right, and holds one to three pints, and you can imagine how much it is distended and

overtaxed by those who eat and drink tive operation can sometimes be sucto excess.

It is not unusual for guzzlers of Many cases, however, are much rebeer, wine, whiskey, gin, etc., to drink lieved by a properly adjusted belt, several quarts at a sitting, and for and this should be tried in preference those who are intemperate in eating, to an operation, when possible. to eat far more than the proper capacity of the stomach.

The kidneys and intestines do their best to relieve such sinners, but all these organs are sooner or later involved in the penalties of over-eating

Continued abuse of the stomach must ultimately result in persistent - The tissues of the stomach and its dilatation; the organ loses its natural organs and causes unlimited discom-

> From dilatation to reinxation of the able to do this. loose supporting bands of the stomach, is but a step. When the bands begin to give way,

there is nothing to bring them back to their normal state. The more they are pulled, the more they stretch, and the less able they

and over-weighted stomach.

reaches the pelvis. . been overpowered by hard work or can be summarily squashed.

improper food. neglected.

been accurately recognized, only re- green (or white arsenic) thoroughly cently have the stomach and its dis- in a wash tub while dry. Dissolve the orders formed a group of diseases for molasses in the water and wet the careful investigation.

have illuminated the subject, and thoroughly. though we are far from getting ideal results in the treatment of many stomach diseases, we have certainly made great gains and will gain much more. Some of the symptoms of falling of the stomach are general discomfort, want of ambition for ordinary duties, constipation and poor nutrition.

gical, or instrumental. If the abdomen is opened, a repara- ed.

cessfully done.

## QUESTIONS AND ANSWERS

J. K .-- Am weak and not able to do my housework well. Get very short of breath and my heart beats rapidly. I feel better when I can lie down and take a rest. Please tell me what is wrong with me.

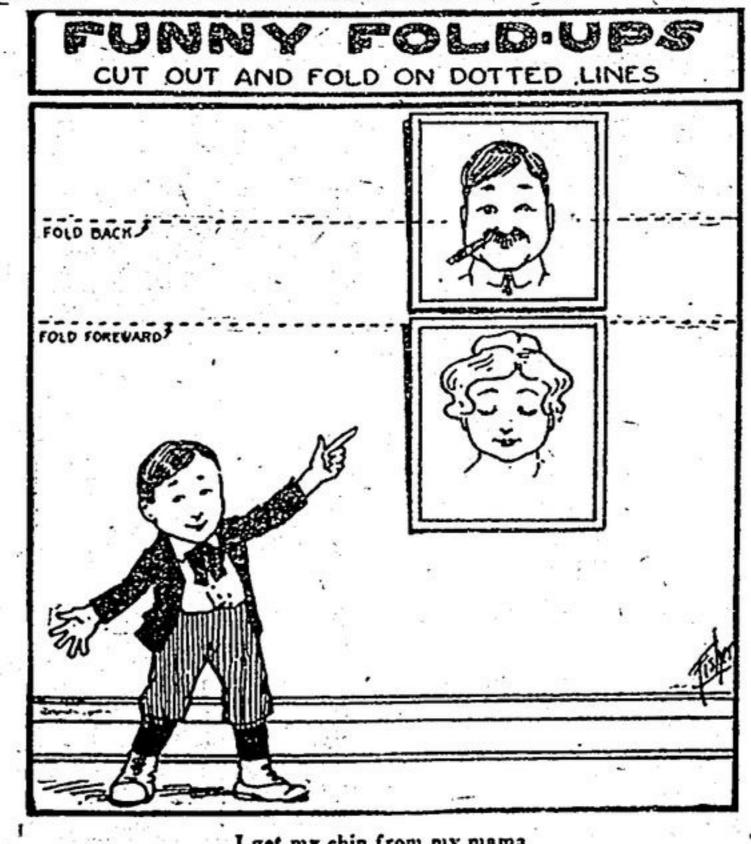
Answer-My opinion would be that you are trying to carry a bigger load than you are able to carry. / If you could get a rest for a few weeks, having somebody do your work for you, and just play and sleep for a time, I think you will get a new start. I should be glad to hear if you are

## Destroy The Cutworms.

Early though the season is, the insect world is already, "on the job." Cutworms destroy thousands of dollars' worth of vegetable crops every become to sustain the over-distended years. Gardeners must aid in the campaign to save the crops by de-Then the latter drops, sometimes stroying these pests. Watch for their horizontally and sometimes bow or appearance as they are already at stern, first the intestines can offer work. They cut through the stems little resistance, and in time the of the young beans and tomato plants stomach distends and drops until it at the ground line during the night and leave the young plant dying on. Others who suffer with falling of the ground. Investigation in the the stomach are the people of lax loose soil will generally discover the fibre, who have little muscular miscreant a few inches away, half an strength to begin with, and who have inch or so below the surface, when he can be killed wholesale by scattering Included in this group, are hard- along the rows poisoned bait made as working women burdened with the follows: Bran, 20 lbs., cheap molasses, care of families among the poor and I quart; Paris green or white arsenic, half a pound; water, from 2 to 21/2 Only recently has this condition gallons. Mix the bran and Paris bran and poison with the same, stir-The X-ray, and abdominal surgery, ring well so as to dampen the bran

## War Time Cook Book.

An excellent war-time cook book has been issued by the Women's Institutes of Ontario and copies may be secured by writing to the Ontario Department of Agriculture for Circular The treatment may be medical, sur- No. 11. Various ways and means of saving and substituting are suggest-



I get my chin from my mama, My eyes are pa's, you see: So put them both together, and The product-well, it's ma,