

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.

HANDLING FARM MAN URE IN RUSH SEASONS

Almost everyone who has made a study of the matter would agree that the only way to conserve all of the feetilizing elements in farm manure is a large amount of ammoria gas. It is a well known to available. There are some conditions, however, which preclude such disposition of the manure supply and the becomes necessary therefore, to so arrange the materials and appliances solid or woody portions. at hand that the greatest amount of fertilizing constituents in the manure shall be saved and made avaitable for future use. At the same time it is agreed manure should be put on the land as soon as made, it is just as even to be much smoke and case even to be much smoke and case even to be much smoke and case. land as soon as made, it is just as seems to be much smoke and gas well agreed that it should not be placed upon hilly or rolling land, but a short while before that land is to be plowed or worked up. Freshets and showers when falling upon manure so placed on rolling or hilly land controlling to the most valuable part of the manure. The fact that the manure heats, of its all, does no particular harm, but the coincidence that the manure in heatcarry away a very large amount of ing drives off the ammonia gas which the fertilizing ingredients and for this is dissolved in the moisture of the mareason it is not wise to make such a nure is the fact which makes it dan-

The other condition which makes it degrous to allow this thing to occur. reason it is not wise to make such a risk.

The other condition which makes it impossible to spread manure as soon as it is made is in the rush season. If the exact amount of loss that takes place while the manure is being stored under ordinary conditions for three or four weeks until the work lightens sufficiently to put it on the soil, we probably would find that there is no season too rushing nor 1.0 work that pays better than putting the manure directly onto the soil as soon as it is made. However, since we have been accustomed to think this job can not be done during these rush seasons, it becomes necessary to provide some sultable storage place for the manure. Taking all the farm manures, by and large, it comes about as close to the truth as we can get to say that sixty per cent. of all the fertilizing elements lie in the liquid part of the manure, while forty per cent. lie in the sound as the soon all light on all the form all ways to make the liquid portion of the manure ways.

manure, while forty per cent. lie in the solid part. If we wish to put it wasted nor allowed to leech away. in another way, we might say that eighty-five per cent. of the available be arranged with eave spouts so at fertilizing elements are in the liquid manure while fifteen per cent. are in on the pile of manure. If there is the solid portion. In other words, the liquid portion is much more valuable horse manure, however, it is not necthan the solid, and where manure is cosary to run in extra amounts of wa-placed out in piles under the caves ter. Added to this, there is another of the barn or wheeled out to the side precaution which should be taken and of the harn or wheeled out to the side precaution which should be taken and of the hill with the expectation that that is to keep the flies out. The mather ain will wash out portions of it that are too heavy to haul to the field, it will readily be seen that any manner supply so handled might as well there are any windows in this manure be dumped into the river in its entiresty since the solid portions of the manure that remain are were interested. The door, however, should be solid and fly tight. In this way. ty since the solid pertions of the manure that remain are very inert and it takes a long time before they are decomposed sufficiently to be used by

composed sufficiently to be used by the windows whereas if a screen door the growing plants.

There are some facts concerning manure that should be kept in mind whenever any system for its handling is mapped out. One of the first is that the liquid portion of the manure is much more valuable than the solid; the next one is that under normal conditions the between the liquid portion of the manure. ditions the nitrogen of the manure is the bettering of sanitary conditions the most valuable part of it. When about the farm. There is no one nuisthe most valuable part of it. When the small boy goes out to the barn to clean out the stable that he neglected the morning before, he usually gets an eye full of foul smelling gas. This gas is nothing other than ammonia, a combination of nitrogen and hydrogen, and for this reason every bit of ammonia gas should be saved since it contains the nitrogen which is so costly when bought as a fertilizer. The commercial ammonia, so-called, which is bought on the market for use on wash day is nothing more nor less than ammonia gas dissolved in water. If in addition to this, this shed is by some means or other kept free from flies, we shall have a manure storage that is directly in water and is somewhat heavier than Over 7,200 **Customers** 

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## GOOD HEALTH OUESTION 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 enclosed. Dr. Currier will not prescribe for Individual cases or make diagnosis. Address Dr. Andrew F. Currier, care of Wilson Publishing Co., 73 Adelaide St. West, Toronto.

The latter is a rare condition and need not receive further consideration

proper site.

It may move very little, or it may move as far down as the pelvis, but almost invariably remains extraabdominal, away from the abdominal organs. This is called movable kidney, into distinction from floating kidney, which is within the abdominal excitate this the arm of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney, that operation was selected by the control of the kidney that operation was selected by the control of the kidney, that operation was selected by the control of the kidney that operation was selected by the control of the kidney that operation was selected by the control of the kidney that operation was selected by the control of the kidney that operation was selected by the control of the kidney that operation was selected by the control of the kidney that the sends — "Then how—" Mrs. Holman falter—

"Because He never promised by the control of the kidney that the sends — "Then how—" Mrs. Holman falter—

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"The

QUESTIONS AND ANSWERS meed not receive further consideration at this time.

Mrs. S. M.—1—Is there danger that girl!"

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a floating kidney will develop into anything serious? Was told by my doctor that if I gained weight and wore an abdominal supporter, the kidney to be misplaced?

As it is produced and accentuated by strains and injuries, it often follows the severe efforts of childbirth, prolonged constituation, sudden and violent muscular effort, or injuries in the region of the loins.

Mrs. S. M.—1—Is there danger that girl!"

"Why, of course, she had a couple of old ones; but a girl can't wear them doeter the kidney to be misplaced?

——Would playing ball cause the kidney to be misplaced?

Answer—1—You are evidently under good advice. Continue to wear your belt and do as your doctor tells gravely: "And that entertainment you gave the Fortnightly last month."

The greatest cost in growing chicks is for the first two pounds weight; after that each additional pound will average about half the cost of the first. This makes it more profitable pays the bills.

To make a shabby-looking wicker to make a shabby-looking wicker that each additional pound will a pure-bred cow. What we want is crub well with soapy water. When the chair is quite dry again, apply a big name. Cream the chair is quite dry again, apply the bills.

To make a shabby-looking wicker that seach additional pound will a pure-bred cow. What we want is cream, not simply a big name. Cream the chair is quite dry again, apply the bills.

This makes it more profitable pays the bills.

GOD'S BURDENS -AND OURS

"I can't understand!" Mrs. Holman cried, with her hollow eyes full of be-wildered trouble. "Doesn't God promguestion 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. West, Toronto.

Movable or Floating Kidney.

Mrs. S. McE.—Please write an article on floating kidney, from which I have suffered three years. Was told it would return to its place if I got stouter and wore an abdominal belt. Have suffered severely, of late, particularly in connection with an attack of grippe. I desire to avoid an operation, if possible, as I have a weak heart and barely pulled through another kind of operation. Is there danger that floating kidney may lead to something serious like Bright's disease? Could the condition be due to strain or injury. Would exercise be beneficial? And what would happen if it got twisted?

Not so much is heard about this condition, as was, heard a few years ago, when it was a novelty.

The kidney is embedded in a thick layer of fat which is a very yielding tissue and varies in tunner in the first of the condition to determine, especially if one is accustomed to the interropatic form time to time.

If this envelope becomes thin and the close of the condition and the condition are the condition and the condition are condition as often and the condition to determine, especially if one is accustomed to the interropatic form time to time.

If this envelope becomes thin and the condition to determine, especially if the condition to determine, especially if the condition are the condition and tranging and intensified by exertion.

If the kidney is very loose and dranging and intensified by exertion.

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If the kidney is very loose and the condition to the cond

yielding tissue and varies in quantity from time to time.

In the majority of cases the symptoms may be relieved by a well-fitting go into my pulpit another Sunday, abdominal belt; but if this does not kidney may become loose and mobile and the envelope stretched, so that it will wander more and more from its proper site.

It may move very little or it may but since it was shown by Treves, the long of the body.

I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. If could not come to you if I came with any other message. I could not come to you if I came with any other message. If could not come to you if I came with any other message. If could not come to you if I came with any other message. If could not come to you if I came with any other message. If could not come to you if I came with any other message. If could not come to you if I came with any other message. I could not come to you if I came with any other message. If could not come to you if I came with any other message. I could not come to you if I came with any other message. If could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message. I could not come to you if I came with any other message

ney, which is within the abdominal cavity at birth and swings upon its pedicle of peritonaeum like a polyp

"But they can be girls only onceand a party gown means so much to a

violent muscular effort, or injuries in the region of the loins.

It may be free from symptoms, you, and you will probably get good may be free from symptoms, was people being unaware that they have it until their attention is called to it in the course of a physical examination; or it may produce discom
It may be free from symptoms, you, and you will probably get good gave the Fortnightly last month. Everyone was speaking of tt—of all the work you did. Would the Fortnightly and the work you did. Would the Fortnightly have gone to pieces if you hadn't entertained it this winter?"

Again Mrs. Holman was silent. Her

pastor's strong hand took hers in

In Paddock and Pasture.

This is a good time to rediscover the value of farm manure. Manure reinforced with acid phosphate is the most effective fertilizer known. More of it is needed.

The fertilizer shortage is real—not imaginary. Even at advanced prices, its use is warranted. Get the fertilizer if you can. If it is not to be had, keep up the fertility of the land by raising more stock and feeding more crops to animals.

An acro of alfalfa furnishes twice as much protein as a ton of foran, four times as much as a ton of forange for timethy, and it can be grown successfully.

In twenty-four hours the sweat
Often when a cow freshens the udder is milked dry, stimulating the flow of milk. Soon the udder gets sore, and milk fever may result. To prevent this trouble, take only a few quarts of milk the first time, and milk the first time

acre of timothy, and it can be grown successfully.

In twenty-four hours the sweat-glands of the horse eliminate waste material equal to that passed through the lungs. Never allow the sweat-glands to become clogged with dirt and sweat particles for lack of grooming.

Tarkage, which is composed of the scraps and refuse from packing houses, has received a great deal of attention from hog feeders the last few years. Its composition makes a good source of protein for use with corn in feeding shotes.

Cows may have a pedigree a foot long and not have a sixteenth part of an inch in cream on their milk. It pays to find out about that before

To make a shabby-looking wicker is the usual rate.

Thousands of horses will suffer with tender or scalded shoulders this summer, and galls will develop later. To prevent the galls, get a can of dalcum powder and dust the shoulders well before putting on the collars. Your druggist will sell you a pound for about fifty cents, which is very cheap. This will save many times the latter "go further" should be regarded with caution. Such a product soon becomes sour in warm weather and wastes the butter it concludes them to wilt and die. Occasionally the outside evidence of disease is lacking and the plants die by slow degrees. To the first class belong the tomato, cucumber and muskmeion and to the latter the potation and coll it up so that it chokes. The only remedy is to pull up the wilted plants and burn them. Before pulling them up, however, you should be quite sure that the wilting is not in the stem of the plant near the ground.

sites living upon the larger plants. They show up in the form of discolor ed spots or portions of leaves stems which die and dry off. The trolled by spraying.

In every war garden this year a place should be set apart in which un-used green stuff from the house weeds, leaves and so on-may be kept to be used, when thoroughly decom-posed, as manure for the following season's crops. If a sprinkling season's crops. It a sprinking of lime is added from time to time, it will sweeten the material. This pro-vides the basis for excellent manure and-some of it should be allewed to go

If the compost heap was made up early in the season or if part of an early in the season or if part of an old one remains, it is an ideal place to grow squash or other creeping vegetables, provided that it is not situated in too shady a part of the garden. Every square inch of ground should be made to count.

A Bigger Butter Ration. With larger supplies of British-made butter the weekly ration of but-

ter or margarine is to be increa from 4 oz. to 5 oz. per head. This has already began in districts where sufficient stocks are at hand.

When roasting mest arrange bake your potatoes, also pudding, bread can be toasted a delicious bre in the oven.



Ammonia gas dissolved in water. Ammonia gas dissolved in water. Ammonia gas dissolves very ready and the mammonia gas dissolves very ready and are and when ammonia dissolved in an alr and when ammonia is dissolved in sail the most and the sail of the sail and the sail of the sail and the drones are and the great of the drones are and to prevent fertile eggs, for incomplete the sail of the sail the flock and placed in separate quarters during the sail the flock and placed in separate quarters during the sail the flock and placed in separate quarters during the sail the flock and placed in separate quarters during the sail the flock and placed in separate quarters during the sail the flock and placed in separate during the sail the flock and placed in separate quarters during the sail the flock and placed in separate quarters during the sail the sould be sail to so it seems the flock and placed

