

## By Agron

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.

### The Storage of Potatoes. F

The losses from improper storage of potatoes are of far greater. econimportance than is generally zed. These losses are brought realized. about by a variety of factors which may be grouped in three divisions, e.g. physical, mechanical and pathological.

The chief loss from physical factors is brought about by the storage of immature stock. Potatoes that are to be stored should be thoroughly ripe, to be stored should be thoroughly rips, that is, the stalks should be dead, and the tubers should adhere firmly to the stems. Potatoes may have their staks prematurely killed so as to resemble a natural death by being attacked by late or early blight, rhi zoctonia, the flea beetle or potato bug, but upon examination the tubers under such plants will be found immature and unfit for best storage results. Frost bitten and sunburned also come in this division.

The mechanical factors that brought about loss in storage are chiefly about by careless handling of the crop at

Undoubtedly the late blight (Phyto-phthora infestans) is the most com-mon, as well as the most destructive. Tubers affected by this disease are al-most certain to decay in storage; nor is this decay confined to the diseased tubers, but spreads rapidly to the healthy—ones, unless preventive mea-sures are employed, and perfect stor-are provided.

ture can be between 34 and 40 degrees

8. Keep the storage room as cool as possible directly after the product is stored. 9. Fill your bins gradually; by doing, the potatoes that are put in first have lost their heat before they

are covered by another layer. 10. Carefully sort your stored potatoes at intervals during storage, and remove all tubers showing signs of disease or decay.

## Fertilizers For 1919.

Now is the time for the farmer to pain. plan his croppings for 1919 and in do ing so to decide upon what fertilizers, time, if any, he purposes to use. Last spring there was considerable disap-use pointment among farmers, especially among those who had delayed plasing their orders till a few weeks before the season opened, as there was not

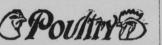
the zenson opened, as there was not only a shortage of material but transportation facilities were such that quick deliveries could not be made. There is no prospect that harvest time, such as broken, the solution of the end of the state of invasion of myriads of decay produc-ing spores, which, when given the pro-per conditions will rapidly spread de cay through the entire lot. Under the pathological factors come the tubers affected by disease. Under the pathological factors

come the tubers affected by disease. been considerable increase in the Undoubtedly the late blight (Phyto-number of farmers in British Colum-

Many stockmen dehorn stocke Many stockmen dehorn the stocker and feeder cattle or calves to be kept for feeders. The chief advantages of dehorning are convenience and economy in the feed lot and in ship-ping, and possibly a slight increase in market value. Animals being fit-ted for baby beef should not be de-horned, as with horned breeds the age can be told annrovimately by the horn. can be told approximately by the horn and when the horns are removed the buyer may suspect an animal of be-ing over age limit and may cut down newhat on the price.

If a feeder is raising his own calves, the best method of denorming will be found to be an application of caustic soda or caustic potash when the calf is a few days old, or when the button can be felt through the the best method of dehorning Wet the stick of caustic slight ly and rub it well on the skin over the ly and rub it well on the skin over the horn after first clipping the hair off the region. Do not get the stick too wet or it will be apt to run down over the side of the head, burning off the hair and also causing needless. the hair and also causing When dehorning is not done at this

time, it is advisable to wait until the horn has made a fair growth and then which must be used in either case if the feeders are purchased. Clippers are quicker and less painful than the saw. They make a cleaner cut, which bleeds longer than that made with the saw. In either case horn should be cut a little below th



sures are employed, and perfect stor-age provided. The decay of potatoes in storage may be caused by a number of erganisms, while each organ-ism may have its own particular form of attack; still it is gratifying to know that the remedial measures are The following suggestions regard-ing the storage of potatoes, if fol-lowed carefully, will practically eli-minate the losses from decay of pota-tors from decay of potatoes, in fol-learning the most profitable applica-tion fail with cost may have its own particular form of attack; still it is gratifying to know that the remedial measures are the same in each case. The following suggestions regard-ing the storage of potatoes, if fol-lowed carefully, will practically eli-minate the losses from decay of pota-learning the most profitable applica-



FUNNY FOLD-UPS

CUT OUT AND FOLD ON DOTTED LINES



there should be cut a little below the union of the horn and the skin or the horn will begin to grow again.
The best time to dehorn is the first or the latter part of April or the oper had an era a source of infection. It is best for a few the hay so disinfectant. Keep the hogs away from streams, public hier with a good disinfectant. Keep the hogs away from streams, public hier with a good disinfectant. Keep the hogs away from streams, public hier with a good disinfectant. Keep the hogs away from streams, public hier with a stread and crows. Scare away all stray dogs, pigeons and Buglish at weat of the position to resince and and and one of the liver\_wa suitable quantime them with a good disinfectad. The part of the ologistic and crows. Scare away all stray dogs, pigeons and Buglish at the resens the or as abustance which it is after at how or an atter the operative when these become sufficiently mells. When cholers or other sickness aread the part and the as an occas and the part and hogs and qua

purchased hogs. When cholera or other sickness oc-curs in your herd, separate the sick animals promptly and confine them in a screened shed or closed building. Call a veterinarian to tell whether the disease is cholera. If Cholera is pre-sent, vaccinate all the hogs which are mildly infected. Do not waste serum on hores in an advanced stage of chol



# **GOOD HEALTH QUESTION BOX**

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By Andrew F. Currier, M.D. By Andrew F. Currier, M.D. Dr. Currier will answer all signed letters pretaining crucicly. If yous genetion is of general interest it will be answered through these columns; If not, it will be answered personally if stamped, addressed envelope is em-closed. Dr. Currier will not prescribe for individual cases or make diagnosis address Dr. Andrew F. Currier, care of Wilson Publishing Co. 73 Adelaide Et. West, Toronto.

Billousness.
C. W. K.—For two or three years I have suffered from periodic attacks, in which the symptoms are: A sud-den partial blindness, in which half of an object may be visible, the other part a blank, the light flashing (a better description than flashing would be "boiling") Eefore my eyes, the sight being confused and almost nil; this condition will last for a few minutes, the sight then clear, and a headache comes on in the locality of the eyes, lasting it may be an hour or

headache comes on in the locality of the eyes, lasting it may be an hour or so; my head feels dizzy, and I am in-clined to reel when I walk, there is also a heavy feeling in the head, as when water is taken in the ears in bathing; my own voice will have a far away sound. The attacks come at intervals of a few weeks, a few montis, or it may be only a few days

apart. I have thought the condition may be only a lew days of undgested food an emetic of a print of mustard water wild prompt-I have thought the condition may be only a lew days of the stomach and the bad be due to a disorder of the liver, or symptoms may disappear, promptly too. ties that you think would be valuable For those who are subject to bilious the the thin of mustard water wild prompt-

attacks the thing of greatest impor-tance is to live on food of the sim-plest character and not too much of Th symptoms of which you com-In symptoms of which years to any plest character and not too much of physician of even moderate experi-ence and while they may be attribut able to other. conditions they answer quite well to the rubric which is known



NOVEMBER 3.

presumptively greater natural vigor; but it was believed to be transferable to a younger son who proved himself more worth of the idea of the birth-right greater spiritual privileges and blessings. The covenant promise made to Abraham was included in the blessing. The mixed character of Jacob appears in this transaction. He was capable of appreciating the value of a birthright, although he resorted to unfair means to obtain it. He



