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 le of sufficient general interest, it will be answered through this column. 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.

GIVING NEW-GROUND POTATOES THE RIGHT START.

crops of potatoes and I invariably start. If small potatoes must be used plant them on my new land. I have I would plant them whole or cut once tried out many different methods and in two. believe that. I have arrived at a very close approach to perfection in this field; therefore, I respectfully offer what follows in my answer to the question at the head of this paragraph.

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It is hard to do a good job of plowing on new ground because it is usually rough and contains a more or less bounteous crop of roots and snags; but anything that is worth doing at all is worth doing well; I always take some pains and do as good a job as possible.

Preparing the Land

task is the harrowing; on this point before and gives the hill plenty of cause many a crop isdoomed to failure, be no need of hilling them up. or diminutive returns, because the seed bed was not properly prepared. In the case of a heavy June grass sod a disc is necessary to cut it up; the disc should be followed by a springtooth harrow to mellow the ground. My experience has been that usually a disc was not needed on new ground, because there was more briers and roots than sod. I use a steel framed harrow with adjustable teeth and the first time over the ground I set the teeth rather light; this picks up the most of the loose roots; the second time I set them a little deeper and the last time over the ground I go cornerwise of the field, which makes the marking out easy. If the ground is not very rough three harrowings will do, but I usually go over the land five or six times; work spent in preparing the seed bed is not lost. The first time over I follow the furrows, and thus avoid turning any of them back, as would likely be the case if the harrow were dragged cross-wise.

made by trees up-rooting years ago, we call these "cradle knolls." To level off a cradle knoll I stop the team just I place two to three tablespoonfuls in "cosmetic effect," or perhaps for fear at the base of it and put my harrow a twelve-quart pail and fill it with wa- it may fall out from diseases. teeth down to the last notch, then I ter, then stir until the lead is all disstand on the frame and pull through solved; I apply with a whisk-broom result in loss of hair, are not very ringlets were marks of beauty. This takes off the top of the knoll and, and keep constantly stirring the solu- common among them as long as they stopping again and raising the teeth; tion while I am applying it. we go on to the next one. A few I wait until the first crop of young of civilization. doses of this will level off the knolls bugs begin to hatch and then I apply and put the ground in pretty good freely to every hill, being careful to is one of the ills which has come with shape:

Putting in the Seed

ground, I prefer planting in checks in there are any bugs in it or not. When new ground for two reasons: First, I am done the potato patch looks as the soil can be thoroughly stirred if it had been whitewashed; the bug around the hill, promoting a healthy troubles is ended for some time. expansion of the tuber-cluster and there are no other potatoes near, this killing the briers and grass that would one application is all that is required; otherwise line the rows. Second: but if your neighbor neglects his bugs When the crop is harvested there is they will often invade your crop and no living thing in sight; the wild necessitate another application later growths have been thoroughly sub- on. I have never had to use more pulled out. dued and the field is in excellent shape than two applications and usually following year.

minates the possibility of having during the rest of the season.

INTERNATIONAL LESSON

JUNE 9.

Denial-Mark 14. 10-72. Golden

Text, Mark 14. 38.

cometh with the twelve-This is in an

upper chamber in Jerusalem, intro-

ducing the sixth day of the week-

19. They began to be sorrowful—

What would have been a meal of good

fellowship and blessed communion-is

now turned to an occasion of fear and

suspicion and doubt. How unthink-

able that one of his intimate friends

who had been his companion should

now hand him over to his enemies!

As Jews they no doubt recalled the

familiar passage in Pealm 41.

lifted up his heel against me."

"Mine own familiar friend, in whom

trusted, who did eat of my bread, hath

their last passover supper.

standing (Exod. 12. 11).

Verse 17. When it was evening he

"Who knows best how to raise a blank hills occasionally; and second crop of potatoes on new because the larger piece of seed gives ground?" I have raised a great many the plant a quicker and more vigorous

How We Cultivate

a regular five-tooth adjustable culti- and a fellowship of a higher order. By all means, let us furnish the vator is the proper thing to use. With the kingdom of God. It is in Paul's boys with good sharp tools and show just before the plants commence to Having the ground plowed, the next blow. This stirs the soil deeper than

Good Spraying Necessary

production of the crop. I always near. strive to prevent the bugs from get reach Bethany-for the culmination ting a good start, especially just before the plants blow, as the little tubers are setting on about that time. It stands to reason that if the vitality is sapped from the plant at this critical period there will be fewer tubers set on and they will not be so vigorous as they will in the case of a healthy plant.

I graduated from Paris green sevter of expense. I use nothing but St. West, Toronto. arsenate of lead. The arsenate of lead does its work most thoroughly when properly applied and there is | Civilization is responsible for bald There are usually little hummocks, green washes off with the first rain. seen any account of them.

Use Lead in Paste Form

get the dope well into the centre or heart of the plant, as here is where The next step is the planting. While the young bugs first congregate; the drill method works very well in old treat every hill the same whether

for any crop that I want to plant the only one. Last year I raised a patch same oily material, the hair becomes As to seed: I always plant the nic- treated them in this manner; after a est potatoes that I have, cutting the period of two weeks I carefully exseed to two eyes and planting one amined the plants and failed to find a piece in a hill; this is better than cut- single bug, young or old, in the whole hair will grow again in some cases, ting to one eye; first, because it eli- | patch; and I didn't see another one

> 1?-Better reading, "Surely it is no is it?" 20. He that dippeth with me in the

> an irresponsible instrument,

22. As they were eating, he took bread, and when he had blessed it-Here we have the institution of the Lord's Supper. Opinion is divided as to when this occurred, but it is clear that it was in connection with the passover meal. The blessing was a prayer of thanksgiving and setting apart. Gave to them-Distributing to them as they were reclining. This is my body-Symbolizes my body. It is a violation of the principle of the interpretation of long usage to supprecisely similar.

were taken during the paschal meal comes the victim of the raging chief Some suppose it was the fourth cup, priests and scribes. since Luke and Paul state that it was "after the supper." (Luke 22. 20; 1 Cor. 11. 25.)

24. This is my blood-By "this" is meant the wine in the cup which he ly esteemed, the tools will be poor as gave to the twelve, and this wine is a symbolical representation of his blood. who think a lot of their gardens are Of the covenant-Paul gives it, "This sometimes very careless about the cup is the new covenant of my blood." (1 Cor. 11, 25.) The old covenant was of the law at Sinai. Moses (Exod. 24. 8) says: "Behold the blood of the covenant, which Jehovah hath made with you concerning all these words." Jesus institutes a new and better cor- tools that are tight to their handles enant than the one at Sinai, which add to the enjoyment one has in his was to be ratified by the blood of a work. To have a hoe slip readily better sacrifice.

25. I shall no more drink of the fruit of the vine-This is preceded by the solemn words, "Verily I say unto The style of cultivator used depends words. It was the last occasion on ers, and other tools are once put in upon the condition of the land and the which Jesus would take part in the good shape, they can be easily kept equipment of the farmer. We gen- passover celebration. But, there is sharp by the occasional use of a file; erally use a riding cultivator; but coming a time when all things are to and with an old kitchen knife the when there are stumps or stones in be made new, then there will be a the way or the ground is too rough, passover of a newer and better kind membrance of me.

26. When they had sung a hymn-Some suppose this to have been Psalm 136, which is a psalm of praise to I want to place special emphasis, be- room. If properly done, there will Jehovah for his goodness to Israel. Others are of the opinion that the "hymn" was the beautiful series of psalms 118-127. Unto the mount of The matter of spraying is quite as Olives-They had usually retired to important as any other step in the Bethany this week, as evening drew But this time they were not to of the great tragedy was imminent.

of the metaphorical use of language Judas had carried out his diabolical plan. Jesus goes no more into quiet 23. He took a cup-Several cups retreat among his friends, but now be-

Sharp Garden Tools.

Where the garden itself is not higha matter of course. But even people condition of their tools.

The proverb says, "If the iron be blunt, then must he put to it the more strength." Sharp tools greatly economize strength. I find that sharp bright through the soil, doing a nice clean job, contributes to one's self-respect and makes him proud of the work he These were really farewell is doing. If the hoes, spades, weedrusty places can be scraped clean so that they will soon scour smooth.

this style of cultivator we always go account that we have the definite in- them how they can be used to best twice-in-a-row, that is, we cultivate stitution of the memorial supper and advantage and kept in order. Nothing both sides of each individual row. If its destination to be observed till so depresses a boy and disgusts him the soil is very heavy the crop should. Christ comes (1 Cor. 11. 24-26), and with gardening and farming as to be be laid by with a double-shovel plow the special injunction, "This do in re- compelled to use dull and unsuitable

> It pays to wear your most cheerful is when folks need it most.

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 eneral years ago, both because of the closed. Dr. Currier will not prescribe for individual cases or make diagnosis. quality of work obtained and the mat- Address Dr. Andrew F. Currier, care of Wilson Publishing Co., 73 Adelaide

Hair Remedies.

no danger of damaging the plants by heads. There may be diseases of using too much, as is the case with the hairy scalp among savages, and Paris green; the lead stays on the others who never wear any head covplant indefinitely while the Paris ering, but I do not remember to have

Certainly, savages shave the hair it. I prefer the lead in the paste form; from their heads, for what we call

But such diseases as fevers, which

We, can therefore, say that baldness social development.

Dandruff often causes baldness and means an excessive supply of the oily, dry up the excessive secretion. greasy substance provided by the sebaceous glands to keep the hair smooth and soft under normal con-

the hair falls out or may be easily ing these substances may be useful.

If there is an insufficiency of this of potatoes in an isolated spot and dry and brittle and breaks or splits off. them. There are numerous diseases of the scalp in which the hair is lost.

> When these diseases are cured, the and in others it will not, its root structure having been destroyed.

The treatment of these diseases is an important branch of dermatology, and includes the treatment of baldness its surounding tissues.

remedies, have stood the test of years, operation is not a difficult one.

in determining their value.

If, after using such a preparation a

ago, pomades and oils for the hair were popular, and oiled and scented

Such overdosing of the hair and surare free from the vices and restraints rounding tissues, probably caused much baldness, and perhaps that is why it was given up.

Hair that is dry and brittle needs oil; hair that is normal does not. Hair that is greasy from too much sebaceous matter, needs an astringent to

Simple; diluted alcohol or bay rum will do this as well as expensive lotions and tonics.

If the hair has fallen out, and the When it is very abundant in the root structure is not dead, stimulant form of dry scales, or small oily substances, like cantharides or muslumps, it loosens the attachment of tard or nux vomica, will often start a the root of the hair to its follicle, and new growth and hair tonics contain-

If the matrix and the sebaceous glands connected with the hair structures are dead, no tonic will revive

The treating of the hair, even by those who are skilled, is therefore in many cases a matter of experiment! and it is wiser to get the opinion of a dermatologist as to what may be useful, than to depend upon one's own Do They Still Use The Dangerou opinion or the recommendation of friends.

A. D .- Answer-This growth which you refer to, is called a "poly-pus," and diseased structure of the hair and and is often accompanied by hemorrhage. I would advise you to go to a Some of the preparations which specialist in the diseases of women have been advertised and used as hair and have it removed. Usually the

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MOTHER-WISDOM

How Careless We Have Been With Our School Housekeeping!

By Helen Johnson Keyes

wives will be the very best kind, and themselves. yet we leave a leaking hole in our schools, through which boys and girls rid of the dirt. The old-fashioned slip out, because they are ill, shall we ever succeed in getting our communities full to the very brim with strong, efficient workers?

The leak in our school bucket is bad school housekeeping. just one way to mend the hole-employ people to keep our schoolhouses clean. It is less expensive than the dren who are never going to be strong and this is not an unimportant test and many of whom will die, unnecessarily. Count up the number of hours your

few weeks, the hair gets longer and children spend in school. It amounts thicker or grows where it previously to about twelve hundred hours anwas obsent, and if dandruff disap- nually. Almost half of their waking pears, it is fair to say the prepara- life for six or eight years-and longtion used had something to do with er than that if they continue beyond the elementary grades-are spent in Fashions in hair remedies change, whatever atmosphere and conditions like fashions in clothes. A few years the school offers. Yet how careless



Roller Towel?

we have been of school housekeeping The farm woman whose house shines ing device. from attic to cellar and from kitchen to parlor has yet sent her children to clearly that ventilation without clearly schools which received only a yearly liness is not sufficient. A well-ven cleaning!

The injury to health is due to dust breathed into the lungs. Dust is of cubic foot than a city living-res two kinds: organic dust, that which is which is clean. As the city, of could thrown off by human beings and all is far more dusty than the course animal life; and inorganic or mineral this shows the value of brush dust.

Organic dust is the kind which carries germs; but we are finding out that disease is only occasionally conveyed by the air, so that the part which this form of dust plays in ill- tions. noss is no longer considered to be very great. It is inorganic, mineral dust, when this becomes sharp and gritty, which is our real danger.

Dust of this kind is blown in at the windows and is brought in on the feet of the children and ground up into small particles upon the floors. Then when it is stirred up and mixed with the air it is breathed in, and it cuts and scratches the breathing passages and lungs, leaving upon them rough surfaces which are just what germs breed on. Colds, tuberculosis and many of the children's diseases thus find an opportunity to develop. Blackboards, chalks and slates also scatter these tiny, blade-like particles all around the rooms.

Windows must be open and dust fly in through them. Children must walk to school and-until we are as polite as the Japanese and leave our shoes outside-bring in the dirt upon their feet. Blackboards and chalk are almost necessary for school work. So what shall we do about it?

There is just one answer: We must employ some one to sweep the schoolhouse every afternoon when school is dismissed and to dust it in the morn-

It is foolish to pay taxes to educate ings before the pupils arrive. our children, if at the same time and teacher is certainly not the person of in the same place we weaken them whom this labor should be expected. and make them unhealthy so that Almost every community is able to countenance on the darkest day. That they can not use to the fullest de- furnish a strong girl or woman who gree the education they receive. That will take pride in performing this is like trying to fill a bucket which health service faithfully and well for Some heavy hooks, in the barn to leaks. If we try to fill up our com- a suitable wage. Until this expense hang the chains of various sizes on, munity with the most usefully educat- can be arranged for as a part of the so that they may be readily seen, save ed boys and girls, so that the next school tax, all the parents represented a lot of time hunting when one is generation of farmers and farmers' in the school should share it among

Not all sweeping and dusting get kind performed with a straw broom upon a dry surface, and a feather duster, merely sets it flying to alight in new places. Sweeping should be done with a bristle brush and the floors covered with wet sawdust, wet paper torn into bits, tea leaves, or other damp substance to which the: dislodged dirt will cling and which can then be burned. A still better, waste of pouring education into chil-brush is the kind whose bristles are slowly fed from a little tank of kerosene (coal-oil). Very little dust can

escape this weapon: A vacuum cleaner is by all means the most thorough cleaner there is, as will be seen when one is passed over a surface which is supposed to have been well cleaned already and yet picks up a generous and dangerous quantity of dirt.

The dusting of school furniture must be done with a damp or an oiled cloth. Dry dusting is merely a dancing party for the dirt!

Slates have been done away with in most schools, because doctors have shown us how harmful is the sharp, gritty dust which crumbles from them, when it is breathed into the lunga-The ordinary plaster-of-Paris chil is also injurious and should placed by what is called the dustiess crayon. It is not quite dustless but

is an improvement upon chalk. Still? better is it to substitute for a blackboard a paper roll known as a muro-, scroll. One thousand feet of paper, four feet wide revolves in a large, standing frame upon rollers turned by knobs. Play and gymnastics should-take

place out of doors whenever possible. for the feet stir up the dust which we wish to have lie quietly until the afternoon cleaning gets rid of it When it is necessary to have recess and exercise indoors, the window should be wide open. If the schoolroom is cleaned ever

day and dusty implements are no longer used, not enough dirt will 15. created during the daily session to @ any harm, provided the room is co tinually fed by fresh air from a wig dow open at the bottom and drain of the old air by a window open at the top, or by some good patent ventiles

However, it must be kept in ma ated but dirty country schoolhouse been found to contain more dust cloth and reminds us, as so many ditions remind us, that the natural vantages offered by the countries the way of health must yet be all to by eternal human care and pa

Help your boy to be a prize this year in some line-pigs. corn, or something good. \ His life will be stronger for it.



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SMOKE TUCKETTS

dish-To dip in the dish was a sign of friendship. John's account states that John, at Peter's suggestion, asked directly who was meant and that Jesus replied that it was he to whom he was about to give the sop (John 13. 22, 24-26). This, then, was the sign, the selection of Judas to receive the bread which the Master would dip Lesson X. Jesus Faces Betrayal and into the "charoseth." 21. The Son of man goeth-Re-To

ferring to his death. John frequently used the word "go" with reference to the death of Jesus (John 8, 14. 21). Even as it is written-Jesus' death was not a mere accident in his career, but the fulfillment of the purpose of God. Woe unto that man-Yet, the Thursday, between 3 and 12 p.m., free action and the responsibility of April 6, A.D. 30 The Paschal lamb Judas are not taken away. He was was to be slain "at even" (Exod. 12. not The custom was not to kill it though his action is in the line of the till after the evening sacrifice was of- fulfillment of God's purposes. Good were it for that man if he had not fered. They were now all together for been born-Apologies have been made for Judas, suggesting that he all the 18. As they sat (reclined)-Origin- time believed that Jesus would by an ally the Paschal lamb was to be eaten exhibition of supernatural power confound his enemies at the hour of betrayal and rise in all the majesty of his Messiahship. But the doom here spoken is definite and dreadful! The doom of a traitor, a plotter of evil, and not words for a heedless disciple.

pose that this was to be taken as the actual body. "I am the door," "I am the vine" are other instances Willie saw this funny sign,

And thought it very silly, Until he folded it and found The letters stood for WILLIE.

CUT OUT AND FOLD ON DOTTED LINES