DOES IT PAY TO PICK STONE?

BY W. P. KIRKWOOD.

times it does and sometimes it doesn't. It is sometimes advisable to do the If the stones are not too large or too mud-capping and breaking beforehand of stony land may be one of the least been dug away. There is less danger tomato pulp for this purpose an exexpensive ways of adding to one's in this, and the pieces do not scatter productive acres. But if the stones so far and are more easily picked up are large and lie deep in the soil, for loading on the wagon. clearing may prove more costly than Mud-capping means the placing of One pen was given clover leaves fed buying additional acres.

deeply-grounded specimens.

ment that needs explanation is the expansion. stone-carrier. This can be made of Big boulders and the use of extwo pieces of one-inch gas-pipe about plosives add greatly to the cost of three and one-half feet long, with a stone-clearing. In some experimental heavy network of strong wire, about work the cost of clearing an area of 18 inches wide, between. If you have large stones ran to \$102 an acre. On no gas-pipe, two stout wooden sticks this area 38 per cent. of the stones will do. A carrier of this sort is very had to be taken out with explosives. handy; lay it on the ground, roll the The remaining 62 per cent. had to be stone onto it, and then two men-or pried out with crowbars or else mudfour men, if the stone be large-can capped after the ground around them lift it and dump it on a wagon.

specimen is encountered, the only energy than two men could command. were leaving. thing to do is to use dynamite or some A stone-carrier was used effectively similar explosive.

mite means putting a charge of about ther lightened by the use of a plank them to the post of the verandah. It 40 per cent. dynamite under the stone in unloading stones from the wagon to blow it out of the ground and then to the rock pile. With this it was pos- they would be quite safe. mud-capping with 50 or 60 per cent. sible to roll large boulders from the dynamite to break it up. Better re- wagon to the top of the rock pile and sults are obtained with a smaller am- thus build a higher and more compact ount of explosive if the mud-capping pile than could have been made otheris out of the ground. Work of this In counting the cost of these clear- said the yellow one. "One could fly den bird. I am sure he will be pleased er was right. These two girl friends kind has to be done with care to ing operations every item of expense up to the moon in no time." avoid flying fragments of rock. While was included-man-labor, horse-labor, it is easier to break up a stone after explosives, caps and fuses.

Does it pay to pick stone? Some it has been blown out of its soil bed,

a charge of the explosive on the sur-. The equipment you need in going face of the rock in a compact heap, lying near the surface consists of a inches of stiff mud, and then explodcrowbar, a pick, a round-pointed, long- ing it. For this kind of work 50 or handled shovel, chains, horses, a stone | 60 per cent. dynamite is best. If the carrier, a stone-boat, a wagon, and a breaking is to be done before a boullot of good, wiry human muscle. A der is lifted out of the ground, by a little explosive, with caps and fuses, charge of lower percentage dynamite, should be used for the large and say 40 per cent, the soil must be dug away from the stone all around and In this equipment the only imple- down to the bottom, to give room for

had been dug away.

Usually the employment of dyna- perimental work. The work was fur-

Rats and Mice.

With the coming of cold weather, tained a lower percentage of dry the cellar becomes an interesting and matter. attractive place. The shelves filled with canned fruit and other delicacies, green weight of sunflowers, during boxes and barrels of potatoes and the four years of the experiments, other vegetables, a collection of un- was 19.44 tons and of corn only 9.53 er, till they looked like little specks. the opening where he had been tied. ripe tomatoes, bins and trays of tons per acre. In actual dry matter apples, all look mighty good when sunflowers have yielded 3.51 tons storms begin raging.

storehouse of mine. He evidently sunflowers are a much more profitable wooden horse with a broken head and ed on till he was close to the church thought he was established for the crop. Another interesting fact is that winter, as he went about feeding sys- on the clay land where the rows of little bed to cuddle for company. tematically. Beginning on a large sunflowers were not thinned the yield Irish Cobbler, he ate a part of it each was 19.44 tons per acre, while where night. On a shelf I had arranged, for thinned to six inches apart the yield toy as that to bed." my own use, some choice apples of was 14.35 tons per acre. ing. The bait was gone, but the trap valuable information. had not been sprung. After a number of days-during which I saw Mr. Rat several times-by carefully oiling the parts of the trap, I succeeded in making it so sensitive that one morning I found my quarry dead, caught by tage as a fertilizer for most crops on tiny girl who had not time to pop into The red balloon had fallen slowly no signs of rats about since.

winter.

will be saved from serious injury.

Corn and Sunflowers on Different Soils.

Average yields of corn and sunflowers for four years at the Central Experimental Farm at Ottawa, on sandy loam, have led to the Dominion Field Husbandman expressing the opinion in his report for 1924 that there is no object in changing from corn to sunflowers on land where the former yields satisfactorily. Corn is, moreover, he adds, an easier crop to 20.41 tonu and of sunflowers 21.68 in quality and quantity.

Three or four men make a better | Contrasted with this was the clearcrew for stone-picking than two, if ing of another field, containing an there be need of pushing the work average of 524 stones to the acrerapidly. In any case the larger crew against 260 for the field of larger makes the work easier. Two men can stones. In this field most of the stones loosen the stones and drag out the could be removed with picks, shovels, larger boulders with horses and chains and crowbars, and the cost was only while one hauls, and another can fill \$16 an acre. In other words, the field up the holes when not needed to help of smaller stones, though it contained more than twice as many was cleared The first thing to do is to loosen the in less than one-sixth of the expense one red, and the other yellow. They for they rose so high the red one hung a picture of Sir Galahad, and stones. Most of this work can be done of the other. In this field only 3.8 were given to Dick and Edie at a chilwith crowbar, pick, and shovel. The per cent of the stones had to be pull- dren's party that they went to one reach the stars. Once the yellow one were various high minded mottoes and tougher cases can be hauled out with ed out of their beds with a team. The summer afternoon. There was all got caught on the bough of a tree, by bacutifully lettered sentiments on the chains and horses, after the ground stones were not trifling, however. Of sorts of fun at the party-Punch and the string which still floated behind walls. around them has been dug away. Here the 524 to the acre, 256 could be Judy, races, and donkey rides—but him, and he was held there for quite and there, however, is likely to be handled by one man in loading, 118 more than all these they loved the two a long time. found a big fellow which even horses required the muscles of two men, and big air balloons that were given to "You must wait for me," he cried she are such good friends! I am sure can not budge. When this kind of a 150 needed even more muscular them by their little hostess as they to the red one. "You can't go without that your father and I would be glad

tons per acre, but the latter having a

larger percentage of moisture con-

On heavy clay the average yield in while corn yielded only 1.85 tons per So thought Mr. Rat, for he prompt acre. It is clear, the Husbandman ly discovered a secret passage to this points out, that on such heavy land for bed. He had with him a large Now the proud yellow balloon float-

several varieties. Taking a fancy to In the report, which can be had free an especially fine specimen of a King on application to the Publications of Tompkins' County, he ate a portion Branch, Ottawa, graphs are given inof that also each night. Not succeed- dicating at a glance the yields of ing in shutting him out by closing water, cry matter and green weight what was supposed to be his entrance, in tons of both sunflowers and corn I secured a trap. Tying onto the pan on heavy clay and fartile sandy loam a bit of bacon, I waited for the morn- as well as a great deal of other

The Fertilizing Value of Wood Ashes.

the end of the nose. There have been light and gravelly soils, or on vege- bed, and she began to cry. table loams inclined to be sour. Thy "Silly little thing," said the yellow garden where the little girl sat. She Mice have been quite plentiful about are especially valuable for clover, balloon; "there is nothing to cry for!" saw it coming, and held her hands out the house-driven in by the cold from corn and mangels or for orchards and the garden and grass, where they for grapes on sandy loams. In a new "and look, the lady has taken her on to show her father. He tightened up have been feasting on corn and other pamphlet prepared by Dr. Frank T. her lap and is kissing her, so she will the string on it, and so stopped any Double side draperies are here delicacies. Taking a barrel of waste Shutt, Dominion Chemist, farmers are be comforted. I am so glad." papers from the woodshed to burn in advised to conserve this home source Now they left the houses and were mer it was the little girl's companion, and give lines of flowing trimness. On them without marring the delicate the garden, I found in it, and killed, of potash more carefully, not merely out in the open country. They sailed and helped to make her happy—and This type of frock is chic, distinctive a dozen half-grown mice. For several collecting the ashes from house stoves over fields and treetops, and once right so the red balloon was happy too. and sienderizing, and will grace many days I have been trapping in the but burning the brush piles gathered woodshed and in an upstairs store- in clearing land and pruning orchards, room. The battle is almost over, and and saving the resulting ashes. Stor-I am looking forward to a peaceful age in a shed or receptacle protected from the weather is essential. There A good autumn slogan for the vil- is no more valuable potassic fertilizer lager and the farmer is, "Death to than ashes, as their content of potash rats and mice." Keeping this in mind, is in a soluble form and immediately and acting on it vigorously, much available for crop use, and besides good food will be saved for poultry, they neutralize acidity in soils. The pigs, and people; and many buildings, ashes from soft woods are lighter and much other valuable property, than those from hard woods, but Dr. Shutt states that weight for weight they are not much, if any, pocrer. According to the pamphlet, which may be obtained free from the Publications Branch, Dept. of Agriculture, Ottawa, 25 to 50 bushels of wood ashes per acre will furnish ample dressing for even very light soils. On heavy soils ashes are not needed as on such they may destroy good tilth. They should be broadcasted on plowed land in the spring, preferably on a quiet, damp day, and thoroughly harrowed in.

The fat-content of milk varies handle than sunflowers and produces from month to month. It is highest in a slightly better quality of silage. On November, December and January, sandy loam the average yield in the and lowest in August. From then till quartette of years of corn silage was November there is a gradual increase

Substitutes for Green Feed in Poultry Feeding.

at the Ottawa Experimental Farm. him and is more wary than ever. given clover meal mixed in the wet grain and standard mash, beef scrap who had such a register, had her hus- friends in their rooms. was kept continually before them and band fasten a piece of wire netting

best results for production, cost of snugly, or, if the exposed wire is unproducing eggs and profits. Tomato sightly or there is danger of marring pulp came second, aifaifa meal third the floor, the top of the register may and clover leaves last. The hatchabil- be removed and the netting fitted to ity of the eggs from the birds fed the underside. tomato pulp was, however, exception-

Rats and Fruit.

With even the most diligent care, the storage house will sometimes become infested with rats or mice.

Apparently once they get started on an apple or pear diet they become confirmed enthusiasts, and any other first victims of contagious diseases.

food must be tempting to induce them to touch it.

The most hopeful plan of attack is During the winter months, when it to start a many-sided campaign, putis sometimes difficult to get suitable ting out simultaneously two or three green feed for poultry, certain substi- sorts of traps and several kinds of tutes may be used. In order to test poisons, each kind conveyed on two the relative values of clover leaves, or three different baits. This is far sweet clover meal, alfalfa meal and more effective than putting out one periment was conducted in 1923-24 by and a trap the third, for the enemy the Dominion Poultry Husbandman, seems to soon learn that we are after

Guard the Register.

they had both milk and water to over the register. This can be "sewed" on by running fine wire through The clover meal gave by far the it and the grating and pulling it down

The foreman looked him up and "Are you a mechanic?" he asked.

McCarthy.'

Weak and delicate stock are the

in the clearing work done in this ex- balloons till hedtime, and before they went in from the garden they tied

After the children had gone in a wind began to rise which blew the two balloons backward and forward.

to find us gone in the morning," said blood." the red one, who was very kind- "I shall not come," said the red

ed the yellow one. "I want to see the and visit her. I like children better

It was getting dark, and lights were "Good-bye!" cried the yellow one, beginning to twinkle from the houses. "You are very foolish and will never Floating past a window, the two bal- rise in life." But the red one did not loons saw a little boy getting ready hear-he was already out of sight. no tail, and he was taking it into his steeple and the golden bird.

yellow balloon, "to take such a hard It only veered first one way and then

"He looks like a dear little boy," | "Good morning!" again cried the

. Wood ashes may be used to advan- themselves up. There was just one rapidly to earth.

Dick and Edie played with their to the moon without me to show you tion week with you."

was such a lovely night they thought lighter; the houses and gardens be-perfect 'grind' at her books." came visible. The rising sun shone on a gilded weathercock that was on tures which she had in her room. "Look!" cried the yellow one, "I

to see me, because we are the same "But the children would be so sorry color, and it shows we are of royal

one. "I can see a dear little girl sit-"Never mind the children," answer- ting in a garden below. I shall go than golden birds, so good-bye!" And Then a gust of wind came, and the he started for the earth. He found it two balloons were torn loose and began easy to go down because the gas was to mount up and up, higher and high- slowly escaping from him, through

"Good morning!" cried he to the

"What a silly little boy," said the weathercock, but there was no answer. another with every gust of wind.

said the red balloon softly, "and I balloon, but no answer. Then the think the horse is his oldest and dear- yellow balloon got as close as he could to the weathercock, and was just On they floated, and passed the win- about to shout "Good morning" in a dows of a large girls' school. The very angry voice, for he thought the dormitory windows were all lit up, golden bird very proud and rude, when and they could see the little girls in it veered quickly round and the end their white nightdresses, and pigtails of its very sharp and pointed tail down their backs, jumping over the pierced the side of the balloon. There beds, and chasing one another round was a loud report, like a pistol shot, the room. The door opened and a the poor balloon got smaller and lady came in; all the little girls pop- smaller till he was only a piece of ped quickly into bed, and covered shriveled tissue, and then dropped

and gently till he was just over the "She is so tiny," said the red one; to reach it. Then she took it indoors more gas escaping, and all the sum- charmingly adapted to the matron,

THE POWER OF PICTURES

The Mind May Be Like the Pictures the Eyes Enjoy.

BY JOHN W. HOLLAND.

to the fourth pen tomato pulp mixed requires a register in the floor, she wanted her mother to meet some in the wet mash was fed. All the articles of value are sometimes drop- of her newly-made college friends, so

friends the mother sat and looked about but said little. As they came away she said, "I hope you do not, under any conditions, make a confiattractions, I will admit but . . ."

in the whole college."

"No, sorr," was the answer. "Oi'm a of the prints she has are positively which is best)." vulgar. I am wondering if her thoughts are not a good deal like her pictures?"

"I never thought of that," admitted the daughter, who knew she had every what their children meet through the reason to trust her mother's judg-

They went to the room of another girl. Here, as before, the mother keenly took in the general tone of the This is the story of two air balloons, across a wide river. It was beautiful, room. On the wall of this girl's room

> As they left the Hall the mother said, "I like Ethel! I am glad you and before you, forever in your mind, me. You would never find your way if she could come and spend a vaca-

"Well, Mother! And what gave you Another gust of wind set him free such a case on Ethel? She is not so and they flew on together. It grew wildly popular in College and is a

Said the mother, "I noticed the picthe church steep'e, making it look like imagine Ethel's mind is very like her choice of pictures and sentiments."

The daughter said nothing but long "What a grand night for a fly!" shall fly and visit that beautiful gol- afterward she learned that her moth- The one of Home and Mother is the

I wish that every reader of this had thoughts like the pictures they

Not long ago a certain school boy The mother of a bright college girl began to slide down in his grades. recently went to see her daughter and Finally he was "flunked" and left the spend a few days on the campus. The school. A teacher who loved the lad, girl took especial delight in taking hunted him up and visited him in his In homes where there is a pipeless her mother to see the sights and hear room. One look around the room rercom were literally papered with pichens were fed a standard scratch ped through the grating. Mrs. Brown, the two of them went calling on these tures of vulgar suggestions. Without a doubt the pictures got between the In the room of one of her daughter's lad and his school books so that his brain cells did not care to "bother with" grammar and mathematics.

WHY HE FAILED.

Students of psychology tell us that dant of Helen. She is bright and has we remember a greater amount of what we see than of what we hear. "Why, mother," exclaimed her sur- The percentage is something like prised daughter. "She is a peach of three times as much. If that is true a girl! One of the most popular girls then we are just about what we SEE. There is a record of a very old prayer "Well, I was thinking of the pic- that ran like this: "Turn away mine tures she has in her room. Every- eyes from beholding vanity (whatthing is suggestive of nudity and some ever may draw one away from that

PICTURES THAT UPLIFT.

Ulysses said, "I am a part of all that I have met." Too much care can not be taken by parents to see that eye be of such character as will pull their minds to high and noble things,

We are animals without trying but we are moral beings only through conscious effort.

Every eye that read this page will see in memory some picture that hung on the walls of the old home perhaps a picture of a beautiful landscape, a scene portraying love and true affection, a country road winding past a home or a church. There it hangs forever a part of your life. Happy are the young people whose

parents have the insight to hang the walls of their early homes with noble pictures. Pictures were once the possession

of the rich few. Now the humblest farm home can have prints of the masterpieces for a few pennies. Alice Cary said:

"Of all the many pictures that hang on memory's wall,

noblest one of all."



THE GRACEFUL SIDE FLARE.

1233

stitched to the frock across the top and down the sides about three or four inches from the edge, leaving the ends to fall in graceful cascades. The V neck and long unbroken line at centre front and back are particularly becoming to the figure of large proportions. No. 1233 is in sizes 36, 38, 40, 42, 44 and 46 inches bust. Size 40 bust requires 31/2 yards of 36 or 40inch material for the plain dress, or 5% yards for the dress with double side draperies. Price 20 cents. The designs illustrated in our new Fashion Book are advance styles for the home dressmaker, and the woman or girl who desires to wear garments dependable for taste, simplicity and

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Glass-Topped Sills.

The window sills in my kitchen have been fitted with pieces of glass, and I can now set pots of plants or flowers gray paint. I also had a piece of glass fitted to the top of my white-enameled refrigerator, which protects it, and I can set anything on it without harming the surface.

In the autumn I break off choice pieces of ivy from the vines outdoors and put them in water in the house, where they throw out roots and keep fresh all winter. They can then be transplanted in the spring .- Mrs. J. T. M.

Turkey growers of Manitoulin Island, Ontario, are determined to make turkey raising one of the premier industries of the Island and to this end recently formed the Manitoulin Cooperative Turkey Growers' Association, for which incorporation is being applied under the Ontario Companies Act. Assistance in the work was given by representatives of the Dominion Live Stock Branch and the Ontario Department of Agriculture.

Icelandic Diagnosis.

Fermerly criminals in Iceland were put in the lunatic asylum. The Icelanders could not understand any one being so foolish as to commit a crime, and being an exceedingly kind-hearted folk thought all criminals must be insane.

Regina, Sask. Dr. C. E. Saunders, discoverer of marquis wheat, and Mrs. Saunders (centre), with (left to right): J. C. Mitchell, thrice winner of the world's best wheat prize; Prof. Manley Champlin; M. P. Tullis, crops commissioner; F. H. Auld, deputy agricultural minister, and J. S. Field, winner of the wheat prize in 1920.