animals, and the oughly cleansed. cow) to lose her the same place eve seen several n of the udder contained one wound. Septipoisoning, will mother. These itagious disease t it is erring on cases. I have from the shoes althy pen after it is dangerous

e sick and well, rried by hands. an attempt is Let a separate it is absolutely ttend to all the e carbolic acid, nis hands after so use an old d this can keep coat. But be stable utensils

ven so strongly nat it is given animal do not the night. injections, as

be freely used eel comfortably tities they will the bowels to vill be retained. y be wise, if it 11 quantity of en you have a

lo if one of us ullar manner to le do the same iple: If your shade over it. I have seen readful agony

been rolling swollen to an were amazed of light was thought of it,"

gularity," and every stable

but I would They should the carcasses y, and should em, in many But to de-

ne farmer and ariff, from the ng circulated. sive way the supportof a to show that will be in the woolens and

more or less always urged The writer tariff will not st of clothing ily stimulate creasing the aller quantity and hence a se the actual higher tariff ry by forcing wool in Can-

FARM

Topics for Discussion

In recognition of the fact that valuable hints always are obtained from men engaged in actual farm work The Farmer's Advocate has adopted the "Topic for Discussion" column in order that our readers may see an open channel through which they may inform their brother farmers as to practices that are worth adopting and warn them against methods that prove unprofitable. Not only do we wish our readers to discuss the topics announced for the various issues, but also we desire that they suggest practical subjects on which it would be well to have discussion.

This notice appears under the "Farm" department, but the questions dealt with cover all branches of the farming industry. Letters should not exceed 600 words and should reach this office 10 days previous to the date of issue. They are read carefully and a first prize of \$3.00 and second prize of \$2.00 awarded each week. Other contributors.

is favorable or otherwise.

growing of these crops?

Have your experiences of recent years shown that would mean an additional source of revenue. it is advisable to sow more thickly than you did some time ago?

April 6.—How would you advise your fellow farmers to proceed to build up a profitable herd of cows for dairy purposes? Give results of actual experiences if possible.

The Question of Manuring

cessity of its use in the maintenance of the pro- ground, it might wash some.

Applies Manure to Grass Land

EDITOR FARMER'S ADVOCATE:

manure is made. Consequently to save labor and the soil so open. get the full benefit of the manure we spread it out

I may say that we are spreading the manure on

The full benefit of the manure we spread it out. well. When spreading the manure on grass I it is right headed and when we come to thrash Sask.

prefer doing so the first or second winter after there is a small quantity and a poor grade of up. When applying manure for grain crop, I under, as it gives markedly better results, as it would then have grown a stronger straw. especially in dry weather. Manure on plowed land that has been growing oats steady every years' accumulation of manure from a neighboring farm, and after covering a convenient piece acres of an oat field, at the rate of 420 bushels ting anything back to sustain the soil's fertility per acre — that is 6 loads to a 70 bushel manure 100 per cent.

on running incubators? Are there any little where concentrated feed is freely fed to all stock tricks in operating these machines? Let us have benefits the soil in the same ratio as the grain your opinion on artificial incubation, whether it used benefits the stock making the manure. I am of the opinion that manure benefits all classes March 23.—What success did you have last sea- of soil. On rich new land manure ripens the Editor Farmer's Advocate: son growing clover—red clover, alsike or alfalfa? crop earlier, if it does not help the yield; on older What acreage did you seed; how did you sow the and poorer soil it helps the yield and furnishes seed; what quantity per acre; with or without a humus. Manure in conjunction with a grass nurse crop; did you inoculate the soil or seed, if so rotation will not only stop drifting on the lightest how, did you mix grass seed with the clover; what sandy soil, but will actually convert such soil kind of stand had you last fall, and from your to a black sandy loam. If there is 25 cents worth experience what advice have you to offer on the of fertility taken out of the soil for every bushel of wheat sold, surely it should pay to convert at March 30.-What advice have you to offer as to least all the coarse grain and straw grown into quantity of the various grains to sow per acre? humus and plant food, especially since doing so

K. McIver.

Handling and Applying Manure

EDITOR FARMER'S ADVOCATE:

The winter is the best time to draw out manure, hard labor in the summer; that is, to take the manure direct from the stables and spread it as In the articles that follow some practical evenly as possible on the fields. There is then west experience is offered on handling and applying no loss to speak of, unless on very rolling land. farmyard manure. Too frequently the value of On such land, if there happened to be very heavy stable manure is underestimated and the ne- rains in spring before the frost was out of the

to which may be of value to some who are doubt- month or six weeks, mixing horse and cattle ful of the time for applying and the method of manure together, tramping it down with a given in the order in which the articles appear. the pile. In this way the manure will not "fire," as we call it. Then a few days before we want to draw to fields we start and pile the fresh manure from the stable to one end of the heap instead of putting it on top, so as to get it started to heat In my experience I find that the best times to before we draw out the main pile. This is what apply manure is any time there is manure to I am doing this winter and the manure handles apply. The most satisfactory way is by the fine, spreads well and will not interfere with manure spreader, which unfortunately cannot the plowing so much as the green manure.

direct from the stables, using an ordinary sleigh. land we intend for barley. I do not think it is strokes both ways spread the manure out pretty very large growth of straw, the grain lodges before if we farmed as we should, it is necessary.

seeding, so that any seeds may have time to grain and the manure gets the blame. Probably germinate and get killed before the field is broken if this land had been well packed after sowing it prefer spreading on the plowed land to plowing it would have helped matters to a great extent,

My opinion on the value of barnyard manure land can be easily handled by using a disc harrow if applied in the right manner and right place is and disc drill. I have 40 acres of wet, springy that it will speak for itself in increased dollars year for the last twelve years, receiving a coat of and cents to the farmer's pocket, besides the manure every third or fourth year. With this great satisfaction of seeing how well the crop treatment the crop sometimes is too heavy and grows where the manure has been applied. lodges. Two years ago I hauled eight or nine Besides I think it a wrong to ourselves, our country and future generations to rob the earth of its of grass land I spread the balance on about 10 fertility by cropping year after year without put-

Now I would advise any brother farmer with a spreader. Before the job was finished the oats heap of manure, the accumulation of years, to were higher than the horse's knees. The manure get a manure spreader or hire one and get busy neither hurt nor benefited that crop. The as soon as seeding is done next spring and transfollowing season the yield was seeded to grass with fer that pile to some of the poorest land on his one bushel of oats per acre, as a catch crop, cut summer fallow. A word of caution in confor hay. The manure benefited that crop 75 to clusion: Don't let your manure get fired in the pile, as it is practically worthless it it does. As to the benefit of manure to a prairie farm, Firing is apt to occur if manure has to be piled letters used will be paid for at regular rates to I should say that the benefit depends a lot on the up in a heap, especially horse manure in summer. quality of the manure, and also to a less extent In dry weather throw a few pails of water on the March 16.—What advice have you to offer on the soil to which it is applied. Manure made pile once in a while and keep it solid by tramping.

Barnyard Manure For Prairie Farms

Barnyard manure should be spread during the fall and winter on the fields which are to be summer fallowed. If left in heaps to be spread in the spring the liquid content will be lost, as it runs over the hard frozen soil. Besides, if spread on the land shortly before being plowed, the strawy portion of the manure is not flattened by the snow and rain, which it must be if the plow is to turn it under satisfactorily. By the time the seed is sown the following spring the manure spread in winter and plowed under in July will be rotted sufficiently to be available for plant food. In this or some similar way the fertility of the farm can be maintained, as it is obvious that the ordinary manner of summer fallowing, viz., putting nothing into the soil, simply hastens exhaustion. That hoary-headed as hauling it then saves a lot of expensive and fable of "inexhaustible fertility" dies very hard and, I do not doubt, is responsible for the many worked out farms in the older parts of the North-

Manure may also be applied after the seed is sown, and this will improve the yield to a certain extent, as it prevents the drying out of the soil and helps the plant to withstand dry weather ductive powers of the soil not recognized. The However, if there were many weed seeds in the until the rains come. Care should be taken, contributions published here point out a number manure we think it an advantage to pile manure however, not to apply it after the plant is up. of plans by which the grain farmer can make up in a heap in a sheltered place, where the snow In the fall this manure is plowed under and best use of what manure is available, attention will not drift over it, and let it heat say for a partially rotted and by the next spring it will be quite decomposed.

Applying manure in the winter and plowing it under in the spring is not satisfactory for several reasons. The manure cannot be completely buried; it catches in and rolls around the coulter, and if it has been carelessly spread, which sometimes happens on a cold winter day, it has to be in many cases burned off before the plough will work, especially in low places; also it is liable to hold too much snow, making the land too wet for satisfactory working. When it is finally well be used on the snow, or when most of the Another important thing is that it will not leave the state of the snow, or when most of the Another important thing is that it will not leave the state of the snow, or when most of the Another important thing is that it will not leave stiff unrotted straw holds the soil open and per-

The foregoing observations apply to green By saving labor I mean that labor is cheaper advisable to put manure on land that is to be manure. In my opinion this is the best way for in winter than summer. We generally have plowed or seeded early, as it holds the frost in too the small prairie farmer to use his manure. I enough grass land to apply the manure on. long. If we have manure for the summer fallow suppose the farmers who have the proper accom-Sometimes, and especially in very cold weather, we put it on the poorest places in the field. This modation for storing and rotting barnyard manure the bound for conserving the liquids might be almost the boys do not spread it as evenly as I would is where some make a mistake. They put the and for conserving the liquids might be almost like the control of like, but they can hardly be blamed. To remedy manure on the most convenient place in field, counted on one's fingers. Besides for this kind this way they can hardly be blamed. this as much as possible in spring I use the harvery likely the land that needs it least, and the of manure a spreader is required, and this is a big rows turned on their back, and by a couple of year may be an extra good growing year with a expense for the small farmer, though doubtless

H. E. Young.