timothy sod after the first crop of timothy, farmer to plow and otherwise prepare for seeding plowing deep and keeping cultivated all summer, a portion of his land during a comparatively and breaking shallow and backsetting in the fall. slack season which is a great advantage where I do not approve of either. In the first place if farmers are so pressed for time in spring. the land is dirty there are weed seeds in the soil that have not germinated when the timothy has grass are often fully as great as those from summer been taken off and the land broken in either of the fallow, but are of a very different character ways mentioned. The growing season is too far advanced to germinate the seeds, so they just locality abundance of excellent fodder is provided, lie in the sod till the following spring. The con- and when the grass is plowed up the land is

and very dirty one as well.

which I think is very satisfactory. There is no fighting the wild oat. By seeding down an methods suitable to the soil and olimate crops can use of trying to grow either wheat or timothy on infested field to some good vigorous grass and be raised as regularly as in regions apparently more dirty land. I think all land that is to be seeded taking off a crop of hay for two years, then pas- favorably located geographically, that it is time to timothy should be summer fallowed and turing for two more years, very few wild oats will that these indiscriminate gifts (stated by some sown to wheat and seeded with timothy when the wheat is sown, using regular grass seeder attach- free of them when next put into crop. ment. This land should be left seeded down for about four years taking two crops of hay, then grass seeding, they should each be given a place cease (and to tell the truth we would be better off pasture for one year and in the fourth year break- on the Western farm. ing up about the first of June to about two inches in depth. After breaking use the packer, leave till fall and then backset. By this method what weeds grow in the timothy each year will be cut and what grow after will be pastured down; then Editor Farmer's Advocate when the land is broken early it gives all the growing season to germinate the weed seeds and thus insuring clean crop the following year. I do not approve of breaking and cultivating deeply. and villages as to the farming community, but land so worked will be too flat and solid, whereas they have to devote their energies to improveif it is broken and backset it will be left open for ments within their corporation limits. In practhe frost and will be in better shape for a crop; tice, therefore, the country districts must work more so if the land is a heavy clay.

Man. THOS. WALKER.

Plows Sod Twice

EDITOR FARMER'S ADVOCATE

I have had some little experience in the pre- forms. The rural public paring of timothy sod for grain which I will give should be given distinctly as briefly as possible. First I tried plowing to understand that they the sod at the usual depth, about six inches, have no more right to discing it twice and harrowing in the fall. The work out their road tax crop following was very unsatisfactory. Next than they have to take time I tried plowing as shallow as possible, turns in teaching school discing twice and harrowing as before in the because they pay a school fall. The grain crop that followed was fairly tax. In many cases they Then I tried another plan. I cut the are just as well fitted for timothy just as early as it was fit to make good the one job as the other, hay and dropped all other work to hurry the plow- and in most instances if a ing of the sod. I plowed very shallow, not over man is farming his land he two inches in depth, followed the plowing with has no time to waste on the roller and left the field until the last week in road making at the season the fall. It was then plowed again, backset, of the year in which road as we would ordinarily call it, to a depth of about work is usually done, and four inches. The crop next season was so satis- often he breaks up a fourfactory that I concluded this was very nearly the horse team to take a couple proper method of breaking up timothy and have of horses, on the road. followed this plan ever since, always with the most satisfactory results.

C. D. Blackburn.

Seeding Down Versus Summer Fallow to make a business of it to

At present there is considerable discussion leave their present vocation regarding the comparative merits of seeding to and no farmer can afford to permanent grasses and bare summer fallow. If take teams from his land we consider the objects aimed at in these two during the open season. farm operations we will at once see that there is In my opinion there is no conflict between them and the best results will but one system suited to the summer fallow with the following objects in view, municipality or local improvement district of a is a shed with an adjustable or lifting roof. first to destroy weeds and their seeds by plowing road commissioner, who, needless to say, should ground dimensions should be ample to allow the down all weeds already germinated and then to be an intelligent, competent man and as such first cutting to cover its floor and not be over five encourage as many more weed seeds as possible should receive a fair annual salary. In the early or possibly six feet deep when first put in. The to start and kill these as quickly as they appear winter he should look over the ground with the bottom of the mow should be raised at least one above ground. By frequent and thorough cul- councillor of the Ward and then with the aid of an foot from the ground, and the floor should have tivation an immense number of weed seeds can engineer the work could be laid out in the cold at least a twelve-inch air space every three feet. be destroyed in one season, but the work must be weather. Then brush could be cut and filled Poles or joists covered with dry straw or old hay commenced early in June, otherwise some of the into sloughs where necessary, and material drawn make a good floor. Spread the hay over the enearly ripening weed seeds such as sweet grass, to the ground for bridges, culverts, etc. French weed and pepper grass will have already shed their seed and instead of the summer fallow lessening the number of weeds it will increase it.

Summer fallow properly performed greatly increases the water content of the soil, plowed early and worked frequently on the surface every particle of rain that falls soaks into the soil and very little of it escapes through the dust mulch on the surface. This moisture helps to decay all of the work to be done and before leaving com-

for the next year's crop

tility to the soil it makes what fertilizing material many farmers would be willing to use "King the alfalfa from rain. Almost any kind of a shed there is in the ground available; it destroys road drags" free of charge to help keep them in or covered structure is preferable to a stack. weeds and adds moisture; it also enables the order.

The advantages gained from seeding down to

By seeding a variety of grass adapted to the sequence is you will have a very poor grain crop supplied with sufficient fibre to prevent it drifting question but it seems to me that now that the with the wind. Seeding to grass I consider one country has been proved by a quarter of a century I will give my way of handling timothy sod of the most promising means of successfully of pioneering to be a land in which, by using have survived and the field will be found nearly recent writers in the press to be worth \$3,000.00

Instead of abandoning either summer fallow or

S. A. Bedford.

Road Making System for West

I was glad indeed to see that you are again drawing the attention of your readers to the by backsetting in the fall all growth is killed, necessity of better roads. As you state, this is as much a matter of importance to the towns If the land has been seeded four years I think as most of these places are in the embryo state out their own salvation.

The question is, which is the best way to it.

There is certainly one way by which roads will never be built, viz.: by statute labor in any of its

The "contract" system has generally proved unsatisfactory because usually insufficient work is let at one time to induce men inclined

We West, and that is the appointment by each

In the spring he would be provided with a camping outfit, cooking equipment, and all necessary implements (and one quarter of the present expenditure on such would suffice) and do the required work before freeze-up.

accumulated stubble, roots, etc., and is available plete the job, which is quite contrary to the usual for all other cuttings. If a shed with a stationary practice in most of the localities with which I roof is used, dry straw, or hay, or corn stover Although a summer fallow does not add fer- am acquainted. If the roads are once made, should be put on top of each cutting to protect

SYSTEM

The outline above would, of course, need money and the question is how is it to be raised? SUPPLYING THE FUNDS

In my opinion a large share of the necessary funds should be supplied by the Dominion government - not to be raised by taxation, but by the sale of lands now being given away as homesteads. This, of course, opens up another to each individual) should cease.

There is no danger that immigration would without a lot that we have). You could not stop it "with a club" now.

The only other possible scheme appears to me to be by the issue of debentures to run for long periods of time — 20 to 40 years — for their is no reason why posterity should not help pay for the roads they will use — and if such debentures are approved by the provincial governments as those raised for school purposes are at the present time, doubtless money could be secured at four or, at the most, five per cent. and the cost need not exceed \$15.00 per annum, per quarter-section, in the average municipality.

At present we are not paying inroad tax more than enough to properly maintain the roads of the country, let alone build them.

F. J. COLLYER. Sask.



GOOD ROADS IN STONEWALL DISTRICT on the abandoned bed of the C. P. R. that formerly ran from Stonewall rairie. The photograph was taken by a representative of the Farmer's Advocate soon after a rain. Mud never forms.

After a barn the next best place for storing tire floor surface, on a layer of straw or other dry material. Use barrels or boxes for ventilation, and lower the roof until the second cutting. For such a roof the covering should be of some such material as ruberoid, and the rafters need not be heavy, except about every sixteen feet. Strong be empowered to hire teams and men sufficient to iron clamps can be easily adjusted to the supports. When the second cutting is ready, raise With this outfit he would move to the vicinity the roof, which should be in sections, and put the second crop on top of the first. Follow this plan Coburn's "The Book of Alfalfa.

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