Founded 1866

lbs. bran, hay 3.10 head..... \$16.50 elivery May 15th, the hey will average at the us showing a profit of y think this figuring ied to emphasize such , labor, etc., which I te the benefit obtained ed. The one balances e margin will allow of and still leave a fair eeding I gave half a n the morning and the preakfast. Straw and er breakfast and one were in, one sheaf on afternoon, with straw The cattle were out for com between ten and were ready to go in. if missed when cattle e figures; but as I have f feed before February

be grown on spring-take the place of bare ost of producing the uncut. I believe that 1 obtained by cutting nixing it with fodder s of corn this year for ly necessary to success n feeding my steers] 1 flax seed with each ax in this district this nyself as it is a great

plan is something and inside feeding. nount of exercise and ughage better. Next beasts good morning on feed.

E. B. CHAMBERS.

Cattle Feeding Conditions

rvation or two on the ssion on which is in-

ence in cattle feeding ners who carry a few y of meat and produce be convinced that the ery large stone in our some sections where ock raising may be the ney; to the man who manure the business but to the man who nouth and the mouth and, it is just as well ie summer fallow to

rie and I consider my the production of eding season, feeding of seven months, or cattle fair good com cessary for thrift. I d meal. We have no ar horses during the We raise heifers to

et too many. I was glad to see a

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

increasing the supply, while the man who has a supply cannot sell it. The charge is made against the farmers that they do not supply the market with products of high quality. I am well aware that the farmer is delinquent in many respects by the produce he throws on the market. "Less quantity and motion to be provided to be provided to be provided to be provided to surface cultivator is most manufacturer to put a guaranteed analysis of suitable for this purpose. Work the soil crossevery road allowance corner Man.

GEO. ARMSTRONG.

Mr. Templeton's Feeding Stuff Bill

EDITOR FARMER'S ADVOCATE

May 19, 1909

In a recent issue of the Winnipeg Free Press I saw it stated that the Hon. Wm. Templeman has rived from linseed or cottonseed. introduced a bill into the Dominion Parliament, providing that all manufacturers of commercial feeding stuffs shall be compelled to register their product under a number, and to put on every package a guaranteed analysis of the contents, so that purchasers of the product may know what they are buying; and, with your permission, I purpose to offer a few remarks on the above subect for the benefit of the readers of the FARMER's ADVOCATE.

Returning to the Canadian Northwest, to farm. after an enforced absence of eighteen years, I saw at once that this country still remained a happy hunting ground for the manufacturer of commercial feeding stuffs, and I therefore welcome Hon. Mr. Templeman's bill as a step in the right direction. While freely admitting this, however, I think I shall be able to show that the above bill will have to go very much further if it is to secure anything like adequate protection for the purchaser and user of commercial feeding stuffs.

Should the above bill become law, the manufacturer of compound feeding stuffs will have to put on each package a guarantee, showing the percentage of oil, albumenoids and carbo-hydrates which it contains; and he will have no difficulty in complying with the act, without giving or being compelled to give the purchaser value for money. Take the guarantee percentage of oil, out as follows : Supposing a buyer to go to the week at the head of this department a list of it does not stick too much to the roller. expense of an analysis, he will most probably find topics, which our readers are invited to discuss. that the feeding stuff actually does contain the Opposite each topic is the date of publication of percentage of oil guaranteed; and will doubtless contributions on it and readers are reminded that received value for his money. The plain fact of must be in our hands at least ten days earlier the matter is that analysis of feeding stuffs will have to be carried out in quite a different way than they are at present, if they are to afford full protection for the purchaser. Supposing an analyst to find a certain percentage of oil in a feeding stuff, he at once gives the compound credit for that amount, never for one single moment, troubling himself as to the source from which the oil has been derived. To the analyst reader has in mind any question which he or she oil is oil, no matter whether it has been derived may think could be profitably discussed, it will from linseed, cottonseed, rapeseed or palm-nut, to say nothing about the quantities of oil used in to the notice of the editor, and is of sufficient the manufacture of feeding stuffs, which has been general interest Because this notice runs weekly derived from weed seeds. It is a well-known fact at the head of the Farm Department does not frost and stook in large conical stooks until that the seeds of such weeds as charlock and the mean that farm questions, only, may be dispodded variety of wild mustard will remain sound cussed. The discussions will be spread over half a bushel of seed per acre. in the soil for an indefinite period. In fact, every department of the paper. cases are on record in England, where soil which had been laid down to pasture for a hundred years had borne a heavy crop of charlock and wild and for the second best Two Dollars, paying mustard on being broken up by the plow. As the latter sum for other contributions on the a matter of fact, the outer skin of the seeds of the subject received and published in the same issue above weeds is a veritable oil sheet; the seed

duce he throws on the market. "Less quantity and under a number, and make it compulsory for the land at once. A wide toothed cultivator is most more quality," would be a good motto to hang on manufacturer to put a guaranteed analysis of suitable for this purpose. Work the soil crossthe contents upon each package, but it must wise of the land at first, then in a week or so culcompel the manufacturer to state the source tivate or harrow lengthwise, killing a crop of from which the constituents guaranteed have weeds each time, and bringing a fresh supply of been derived. At the same time, it should be seeds near the surface to germinate and be killed made compulsory for analysts to at least differ- in their turn. If it is intended to manure the entiate betwixt oil from weed seeds, or any oil land this may be done towards the end of May, of low feeding value, and oil which has been de- and about June 1st the land should be plowed a

the average farmer educates himself sufficiently in the damp soil that I would recommend that to enable him to calculate correctly the number every day's plowing should be sown at the close of food units per ton which a compound feeding of the day. A subsurface packer used directly stuff contains, and to arrive at the exact cost per after the plow, and before the harrow, will greatly food unit, so that foods of various kinds may be assist in retaining moisture. compared; the manufacturer of compound feeding stuffs will always find a market for his products and the farmer will continue, as at present, to pay higher price for spiced food compounds than they are worth.

This letter has, however, run on to an inordinate future issue.

"JETHRO TULL." Rexboro.

FARM

Letters Upon Farming Operations Welcomed.

Topics for Discussion

ideas, and to provide a place where information slightly damp (not wet) will prevent it from driftfor instance, and we shall find that it will work may be given and received, we will publish each ing and the dampness will do no harm providing arrive at the erroneous conclusion that he has articles contributed on any of the subjects given, than the subject is scheduled for discussion in our

> Readers will understand that this department of the paper is entirely and altogether their own. fully and freely expressing their opinion of the manner in which it is conducted. They are invited to suggest topics to be discussed. If any be given a place in the order of subjects, if brought

For the best article received on each topic, we will award a first prize of Three Dollars Article should not exceed 500 words in length.

ORDER OF SUBJECTS.

fair depth and the barley sown at once, in fact In addition to the above let me say that until it is so important that the barley seed be deposited

S. A. BEDFORD.

Questions on Rolling

H. D. writes from Burnside, Man. :

M. A. C

M. A. C.

M. A. C.

"I have some land I propose using for grain length, and I therefore, propose, with the editor's that was plowed last fall, it is very loose. Would permission, to defer the discussion of the method you advise my rolling it and if so, when ? Is f arriving at and comparing food values to a before or after sowing best? Is it advisable to roll land when it is slightly damp ?'

> The better way is to use a sub-surface packer before the grain is sown, but perhaps you are not willing to go to the expense of buying a packer and the next best thing is to use a roller.

Where the soil drifts with the wind I would prefer to roll after the grain is an inch or two above the surface, this will prevent drifting and will not injure the young grain. At that time there is also more leisure. The roller should be run crosswise of the lands. Stiff soil when wet will often cake and cause the moisture to evapo-To afford an opportunity for the interchange of rate too quickly, but rolling light soil when

S. A. BEDFORD.

Kaffir Corn

"What has been your experience with Kaffir corn? Is it equal to the ordinary fodder corn for the West? If not what varieties of corn would you recommend?

Kaffir corn resembles millet more than it does They are invited at all times to write the editor the ordinary fodder corn. It has not given very good results with me and I would much prefer one of the early varieties of true corn The following are among the best kinds for fodder purposes in the West, North Dakota, Flint, Longfellow, and Compton's Early. All these sorts are fairly early and give good returns. They should be sown in rows 30 to 36 inches apart and from three to nine inches apart in the row. Cut before required for fodder during winter. It takes about

S. A. BEDFORD.

Harrowing Grain : Campbell System EDITOR FARMER'S ADVOCATE :

1. Will you please let me know through your valuable paper if it would be a good idea to harrow after the oats is up about 2 to 4 inches?

729

s attempt to throw The local buyer just It sms that a close stu-



being water-proofed, so to speak, by the large percentage of oil which this outer skin contains. Now, in England, at the present time, despite the provisions of the "fertilizers' and feeding stuffs method of using the time of the men and horses in Act," which provides that manufacturers of the fields, on summer fallows, at haying and har- Idaho and Wyoming without irrigation? compound feeding stuffs shall stamp a guaranteed vest? Is it better to quit at 6 at all times or to work analysis of oil, albumenoids and carbo-hydrates later? on every package, the seeds of corn-cockle are a commercial article, being much more easily dis- poultry house to rid it of vermin and make the The Campbell system of soil culture is so-posed of, in fact, at a price than good grain; and surroundings healthful. How do you make and culled because it has been preached and practised I know of at least one large grist mill that never *apply the wash.* grinds anything else. Were all oils of equal June 16.—Sh feeding value, there would be no reason at all why either local or distant, or kept on the farm and be plowing the land deep, packing right to the furthe manufacturers of compound feeding stuffs made into butter to be marketed wherever the price row bottom with the pointed disc packer and should not draw their supplies of oil from weed is best? Tell of a plan that is working satisfac- then sufficient surface cultivation to form a mulch

seeds: it is a well known fact, however, that such torily. is not the case. The feeding value of any oil bears a direct relation to its drying properties; painted upon glass, it will be found that linseed treat it and when do you advise me to sow the water holding capacity than soil not turned and, or cottonseed oil will dry much more quickly than grain?' mineral oil or oil derived from weed seeds, showing

June 2.—What do you consider is the best

June 9.-What is the best way to clean up a May 5th number.

June 16 .- Should cream be sent to a creamery

Dirty Land and Barley

R. S., Carberry, Man. writes :

rain?" therefore, we should make as large a water A large number of our farmers are recognizing holding reservoir as possible. The use of the at once that the former have a much higher feed- that a barley crop is one of the very best means of subsoil packer helps this soil to retain moisture cleaning the land of noxious weeds and growing and the surface cultivation prevents excessive

What is the Campbell system of soil culture? 3. Is farming successful in Washington, Oregon, C. M.

See the series of articles on this subject in the

extensively by an energetic man named Campbell,

of Lincoln, Nebraska. The system consists in and prevent evaporation. Many people claim this is just the good old-fashioned system of summerfallow and in a sense it is. Campbell, however, believes in plowing deeper than most farmers go in summer fallowing and plows only

'I have a field of very dirty land that I think once in the season. The theory is that the soil, If, therefore, oils derived from various sources are of sowing to barley this spring, how would you which has been turned by the plow, has a greater