

THE FARM A FACTORY

upon the quality and quantity of the cultivation pay interest on my outlay, etc., etc. bestowed upon the land, all are again dependent upon the machinery employed

farming—nor the change take place too would be beneficial? Many have, but say they tating possibly the starving of his farm and home. rapidly, for the havec that wheat ranching has have difficulty in finding manufacturers that There are of course those who have made yields have decreased, so weeds have increased— paid more for it. not alone from the successive sowing of wheat,

stubble year after year? attempting to crop more land, than they have but I venture to believe that what is not good ing the profits. time, force, or the requisite implements to do for the farmer cannot eventually be good for the justice to. Had they but endeavoured manufacturer or the country generally. Agri- have learned and witnessed during the present to produce a more finely pulverized seed bed, culture is the backbone of Canada and it is in the working season, am more convinced than ever a cleaner seed bed, a deeper food bed, a bed that interests of all that everything possible should that the basis upon which the capacity of the

and with very good reason, "but what is the use remunerative crops. of our spending time and money endeavouring to the farmer.

food area must be increased by breaking through steam power has been extensively used. that cement wall lying between the soil and subsoil—the pan. To do this areas cropped must employment of mechanical power, no one will looked for by the change.

Many new appliances have been introduced should be determined. in the past few years but it is doubtful if they have been rendering much benefit to the farmer, have conferred upon the farmer:

urer. The land is his workshop; the implements questions in the affirmative. Have I got the which, if the land is at all wet, renders his outfit of husbandry his machinery; the seed and most suitable machinery for my particular re-useless. An outfit that will cope with more manure, his raw material; and the crops he raises, quirements? Have my crops improved from its plowing than he has horses to perform the sucor the animals he breeds and fattens, his finished employment? Have I benefited by replacing ceeding operations. Machinery that is only goods.

animal power by mechanical force? Or has it en-available during two or three months of the year The quality and quantity of the finished goods abled me to cut down my working horses and and has not therefore enabled him to reduce the is not only dependent upon the nature of the soil, reduce my help account? Has the machinery number of his horses or cut down his help account. and the quality and quantity of seed sown, but been handled so as to give the best results and Implements that are only suited for one operation.

but from the want of thorough cultivation, an article cheaply and simplify the running of sized machinery. There are days no doubt when What has it been, but a mere blackening of the their factories, aim at making a large number of they break up large areas, but there are many There can be no doubt, farmers have been very well from the manufacturer's point of view meneating, and interest mounting up and reduccould receive and retain moisture, yields double be done to uphold the quality of our farm pro- motive power should be determined is that what they are today would have been realized. ducts. The best of seed may be sown, but unless necessary to operate the separator. As to the clean seed bed, many farmers will say it is properly nourished, we cannot expect to reap

The West offers two fields for cultivation-

be reduced and a system of rotation introduced. dispute, but I venture to believe that many farm- Repeating, I say we want deeper cultivation; This change in cultivation will necessitate ers now realize that a mistake has been made, by to attain this we must be content with smaller force and other implements not now made use of allowing "breaking" to form the basis upon areas, we must have force and implements adaptand possibly not obtainable in this country, which the size and type of their machinery ed to the requirements of the farmer and there

Let us see what the heavy breaking outfits as to quality and quantity of the yields.

The husbandman is essentially a manufact-requirements? If so, he can answer the following separator. An engine weighing 16, 17 or 18 tons Saddled himself with a large amount of interest to Who should know better than the farmer what earn upon machinery and horses both of which operation will give him the best results upon his are staring him idly in the face for a great portion The system of farming in Western Canada is in particular class of land? Why should not he of the year. Finally he has been tempted to a state of transition, tending more towards mixed have ideas of his own as to an implement that become a contractor or increase his area, necessi-

played upon the land is only too apparent. As will make them a special machine even if they breaking a business, independent of farming, but even those contractors I fancy would have I know that manufacturers, in order to produce done better had they been content with moderate machines of the same size and design. This is all idle ones due to wet, breakdown, etc.—teams and

I have always contended, and from what I

What is expected by the substitution of mechanical power for that of horses? Greater despatch, better cultivation and at less cost. The former clear our land of weeds unless those upon the the virgin prairie and the already producing has no doubt been realized but as to either of the roads are also eradicated? It must not be for- lands. The former so to speak, is but a tem- latter there is considerable doubt, for mechanical gotten that round a section of land there are some porary field, for once the sod has been turned over traction, so far as Western Canada is concerned, fifty acres of roadway forming a great menace to by the plow, it has vanished. I am afraid, how- has been limited more especially to plowing, but ever, that breaking has in the past few years been plowing whether breaking or turning over the In order to remedy matters, a lot of hard work regulating to a great extent the type and size of stubble or fallows is but one of the operations is necessary, first, war must be made upon the machinery adopted. Large areas have been necessary. What we want is mechanical power weeds by vigorous surface cultivation, next, the brought under cultivation by new settlers and cultivation and unless the superior force of steam or gasoline can attain this end, the substitution of That settlement has been expedited by the engines for horses, cannot confer the benefits

can be no doubt as to the improvement both

As a proof of what can be obtained from small who seems to take whatever manufacturers. An engine developing over 100 horse power farms well cultivated, look at the yields derived offer him. Has he ever thoroughly studied his when at the outside 40 or 50 would suffice for his from the market gardens, where the spade, rake