From the valley of the Red River to the foot of the Rocky Mountains stretches an area of country which, thirty years ago, was as little known, to the world at large, as the remote parts of China are to-day. To the world at large it was a barren, inhospitable waste, the greater part designated on our maps treeless, and desert. It is true some travellers brought back stories that seemed to point to some variations from the general classification generally accepted. These stories came from enthusiasts and were accepted with so much salt that the whole mass was unfit for human assimilation. By degrees spots were discovered where the general designation of desert was palpably inappropriate, but when such places were looked up on the map, they appeared as mere specks in the wide expanse generalized. Though few of those who came to spy out the land had ever set foot in the commonwealth of Missouri, it took a lot of showing to make them believe there was a country here fit to

demned by some authorities but it has the advantage of getting a crop the first year and the second crop without much work. However, in some localities with a good top soil that is shallow it would not do, as the seed would be laid in subsoil and would not grow

With a friable, sharp loam of good depth success has been attained by simply breaking rather deep, say four inches, and putting on discs and harrows till the sod is thoroughly pulverized. The advocates of this system claim that breaking and backsetting such land involves loss of too much soil moisture, but by discing, harrowing and packing at once this moisture is held. It is, however, impracticable with a heavy, strong sod.

When a crop has been drilled in, frequent harrowings, especially after rain, hold moisture and kill sprouting weeds. This should continue till growing crop is covering the ground well.

Strange as it may seem, much the same general principles of cultivation apply in



Tommy Atkins Salvages Contents of Ruined Farm House.
British soldiers removing stores from a damgaed farm house in the north of France

there were different kinds of soil and different climates in this great area. As cliof moisture and weed killing are as neces-Mountains, where winters were mild and cattle could get a living outside for most of the year, stock-raising or ranching was followed almost entirely.

Wheat raising belonged to Manitoba, the Red River valley, where the soil is a heavy, black clay loam but, going west, one encounters all admixtures from the heaviest clay to gravels, even to drifting sand. As a rule, as elsewhere, the more clayey soils last the longest under bad farming methods and they need more mo-

tive power in cultivation. For general rules, the land should be broken as shallow as possible when the grass has made a good start, thus dividing root and crown so that the sod will die as quickly as possible. A month to six weeks later backsetting, or plowing the same land about double the depth after breaking, commences. Broken land is the better for being rolled or packed after breaking so that the least possible moisture may be lost and the sod rotted with all possible speed. Discing should follow backsetting and harrowing be done in the fall. This should make a model seed bed for the fol-

lowing spring. The concensus of opinion among the best authorities favors the breaking and backsetting system for nearly all soils. plan followed in Dakota and practised by Dakotans who come to this country, is to plow deep in breaking the sod, disc well, harrow and sow a crop of flax the first year. The second year the stubble is disced, harrowed and seeded without plow-The third year the land is plowed four inches deep, and not until the fifth

It took a long time to show people that the cases of very diverse qualities of soil. mates and soils varied, so have the pursuits sary in one soil as another and rainfall is of the settlers. Towards the Rocky light over all the country. The same degree of good tilth, or other requisites are not attained in a stiff, clay soil with the same power or in the same time as with a friable soil that pulverizes easily.

In the handling of stubble land much advance has been made in the last few years. Discing after the crop is cut is a good plan, for the process buries weed seeds, which start growing at once. These are killed by frost before they ripen a second crop and fall or spring plowing turns over a clean slice. Some good farmers have a disc following the binder continuously with splendid results. When fall plowing, or in plowing stubble in the spring, a gang plow with a light disc harrow attached does very good work in fining down lumps that

would otherwise dry out quickly.

In calculating the power necessary to perform any of the different portions of the work on the lands of the Canadian North-West provinces, it is pretty certain that some land will take as much power as would be needed anywhere. In other places but a minimum is sufficient. Four 1,400 pound horses will be kept warm with a 14 in. breaker in some soils, while in others two lighter horses will cover the

same ground in a day. Though the above rules of cultivation hold good generally, anyone going into the south part of Alberta, which has been termed semi-arid till of late years, should observe the system of neighbors and procure a copy of the reports of the dry farming conventions. Much of Southern Alberta is irrigated and extensive systems have been instituted for distributing water, but in the same localities fall wheat was year is the original top of the sod brought raised by dry farming methods and cap-up to the air again. This system is con-tured first prize at the great exhibition at

Advice from McBean Bros. to the Farmers and Merchants of Western Canada

Spot wheat at Fort William and Port Arthur during the last few weeks has been selling up around the dollar mark for 1 Northern, and these prices and even higher are likely to be maintained throughout October and November. There never was such an acute position in wheat and wheat products in the United States. The visible supply of wheat and flour there at the present time is the lowest on record and they will need nearly every bushel of their hard spring wheat for mixing with the soft winter wheat for milling purposes, and this means that Western Canada will have to fill the hard spring wheat requirements of Europe for mixing purposes for all this season. It will take the United States flour mills grinding at full capacity several months to fill the sales already made and get stocks back near normal conditions, as their stocks are now right down to the boards. The deterioration through excessive rains in the winter wheat states is, we understand, considerably larger than reported, and we claim there is no reason whatever for farmers here sacrificing their wheat at ridiculously low prices, and every bushel of our wheat should be sold at not less than \$1.00 per bushel in store Fort William or Port Arthur basis 1 Northern, and we may easily get higher than this before the close of navigation. We are satisfied that every bushel of our wheat that can be got to Fort William and Port Arthur before navigation closes will be badly wanted and we advise all farmers not to sell a bushel of wheat at track prices as there will likely be big premiums paid for spot wheat up to the close of navigation. The farmers who have been selling at track prices up to this date have been losers of from 5c. to 10c. per bushel, and we urge them not to sell a bushel until the grain is unloaded at Fort William or Port Arthur. We have figured this out carefully for years and find the only profitable way is for farmers to sell their grain after it is unloaded, never at track prices. We claim that 1c. per bushel is sufficient for handling grain, therefore do not give away 5c. or 10c. per bushel by selling at track prices. You cannot afford it. Don't get scared that prices will go to pieces all at once because we have a big crop. Every bushel will be badly wanted.

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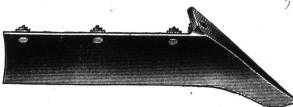
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