

Dr. Farewell's Tractor Experience

To Date the Machine
DR. FAREWELL, down at Oshawa, is doing some pioneering. Instead of waiting to see how the government tractors will "pan out" under Ontario conditions, he has purchased one of his own, an eight-horse machine; that is, one that will deliver eight horse power on the draw-bar and 16 on the belt. It was doing its third day's plowing when an editor of Farm and Dairy "dropped off" at Oshawa last week to see it in operation. We found the machine drawing three 12-inch bottoms and doing good work. The stubble was being turned well over, and while not as smooth a looking job as could have been done with a walking plow, the soil was really being pulverized to a greater extent than is usually the case. The soil in which it was working was perfectly adapted for easy plowing, a level field and no stones. The day previous, however, it had done almost equally good work at 20 per cent grade. A slight tendency to side slip on an incline was overcome by taking the guiding disk out of the furrow and steering altogether by hand.

Expense and experienced help does not seem to be necessary. The company sent a demonstrator along with the tractor. One of the farm hands watched him at work for a time, then took his place and got along without any trouble. When we saw him at work after a few days' experience he looked like a veteran tractor operator. Some little trouble was being experienced with the carburetor, but this did not interfere with the operation of the machine. It merely wasted gasoline at 35 cents a gallon. Dr. Farewell's machine is a one man tractor. A jerk on a rope lifts the plows out of the ground and puts them back in again. Turning was accomplished easily on a 20 or 24 foot headland.

Working Day and Night.
 The Doctor is working his machine to the limit. It was late in arriving and another farm had been leased on the strength of what the tractor will do. So far it has been worked both night and day. One man keeps it going all day. At dark a headlight is attached and the men from the dairy barn take turns in keeping the plows turning the land all night.

Expense? Well it is a little early to talk authoritatively on that point and the Doctor did not attempt to do so. To draw three plows the engine has to work to the limit. It is proposed as a general thing, to draw just two bottoms. It moves along more quickly than a team. It uses fuel only when it is in operation. Heretofore Dr. Farewell has required 14 work horses on his farm; or rather horses. Last year it cost him \$1,000 to feed them. If the tractor proves the success that it promises to do, half of these horses will be sold, the investment in tractor and remaining horses being no greater than the former investment in horses alone. And a greater acreage will be worked.

The tractor is to do service elsewhere than the farm. When he purchased his tractor, Dr. Farewell also bought a silo-dilling equipment and a threshing machine. The blower and the threshing will both be operated by the tractor. The grain is to be threshed as it is drawn in from the fields.

"I expect the tractor to be of particular value for after harvest cultivation," remarked the Doctor, as he showed me over the farm. "That farm I have just rented is full of quack at the back. With the aid of the tractor I will get it thoroughly worked up after this year's crops are removed."

So far at least, Dr. Farewell is well pleased with his pioneering with a tractor.

Fulfills All Expectations Land for Returned Soldiers

THE Dominion Government will introduce legislation to provide for the settlement on Dominion lands in the prairie provinces of honorably discharged soldiers after the war. In a resolution introduced in the House on May 7th, Hon. W. J. Roche outlined the main features of the coming legislation.

Arrangements will be in the hands of three commissioners, who are to be appointed. Each soldier will be given 160 acres of land free and a loan of \$2,000, with which to purchase stock and implements. The rate of interest will be five per cent. per annum. Furthermore, these soldiers will be trained either on state owned farms or with approved private farmers. Very wisely the Minister stated that the issuance of scrip to veterans, as after the South African war, would not be considered and patents will be given only to persons who will remain permanently on the land.

\$200 Credit for Seed

THE statement has been frequently made of late that many farmers have not the money with which to buy seed nor the credit to secure loans from their local banks. This was particularly true of tenant farmers and it was clear that lack of good seed would seriously curtail production. Now the Organization of Resources Committee has come to an arrangement with the Canadian Bankers' Association whereby loans for the specific purpose of the purchase of seed, are to be made by local banks to those who need such financial assistance.

The arrangement provides for a maximum loan of \$200 to one individual, to be governed entirely by the discretion of the local bank manager and local standing of the farmer applying for the loan. All loans made under this agreement will be repayable with interest at 6 per cent. on the 1st of November, after the farmer has sold his crop. The arrangement will enable tenant farmers, whose deficiency in property holdings has been a handicap to credit privileges, to secure the necessary money assistance for the purpose of increasing their producing acreage. This will not apply to those farmers who have obtained loans for seed purposes from the Loan Commissioner for Northern Ontario.

Currying Horses

Joseph Smith, Welland Co. Ont.
IAM convinced that if the currying comb and brush were used more frequently and more thoroughly, we would avoid many of the trials that beset the teamster. Not the least of these is sore shouder. Unquestionably it is hard on a horse to be started suddenly at heavy spring work. The cause of most sore shoulders, however, is not the wearing of the collar against the shoulder, but the accumulations under the collar resulting from excessive sweating. If the horses were thoroughly cleaned each day, this trouble would be largely avoided.

The general health of the horse also depends in large measure on respiration through the pores of the body. Unless cleaned regularly and thoroughly these pores become clogged and the horse suffers accordingly. Another point that I would emphasize is, keep the legs clean. Never allow the horses to stand over night with their legs encased in mud. Neglect in this particular in often, I believe, the cause of cracked heels and similar troubles.

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