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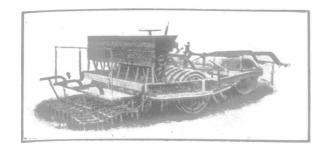
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face, loosening at the same time the soil around them, thereby relieving them of their nourishment; and until we get rid of the weeds, a more economical system of conserving moisture in the soil cannot increase the yields to the extent that he affording the enemy better nourishment.

AUGUST 7, 1907



Power Seeder with Roller in Front

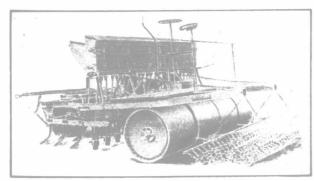
There is an old quatraine on this subject which, like most of our rural sayings, has more do well to burn it upon his memory, that its influence may be felt whenever he sees weeds beginning to be rampant upon his land.

One year's good weeding Will prevent seeding But one year's seeding

Makes seven years weeding." Then there is another old saw equally true. "An ill weed grows with speed." True enough, weeds require no care from the hand of man to make them grow, but an infinite deal of trouble to prevent them from getting the upper hand.

To assist in the conservation of moisture in the soil there are also steam driven implements now in extensive use in other countries.

implements, consisting of a light cultivator, consolidator, seeder and light harrow for roughing the surface, the packer in the one instance the producers in Canada. being in advance of the drills, whilst in the other ments.



POWER SEEDER WITH ROLLER BEHIND

of this implement after a deep stirring will go discussion, the Chairman concluded the proceed- should have a better notion of what sort of far to assist in the conservation of the moisture in the soil.

It may be said, and justly so, that it will never do to run those monster traction engines over the finely pulverized soil. I have been and am looking to the light and powerful agricultural motor to furnish the tractive force for the seeding, packing, and roughing, and trust ere another spring, we shall see these small motors in extensive use upon the farm.

There may be many more, but at the moment there are two great wars we must wage, that of destruction (weeds) and that of conservation (moisture). Scientific theory will no doubt be a serviceable weapon, but I fancy scientific practice and lots of it will be needed to overcome the enemies.

'No farmer can plow a field by turning it over

Let us wed the system "Campbell" With dear old "Father Steam"; Greater yields we will then handle; With far less weeds to screen.

should accrue therefrom. We shall simply Burns, a sprinkling (ye'll say a sma' one at that) Pardon me, but being a descendant of Robbie The remedy lies in the farmers' hands; one and with a little more cultivation, the yield might all must join in the onslaught or no permanent be increased and the quality No. 1 Hard. A. Burness Greig.

Notes from Ireland.

At date of writing, we have in Dublin Sir Wilfrid Laurier, Canadian Premier, as guest of their Excellencies the Earl and Countess of Aber- past few months, with but occasional flitting Lady Laurier, is making but a brief stay, and perhaps the most important item in his pro- does. Things are pretty backward, and the gram was the pleasurable inspection he was potato crop, in many places, has shown signs of able to make, on the 6th inst., of the International Exhibition, where the Dominion is represented by a most imposing display that is eliciting the June, and farmers are now being urged, by their highest praise and admiration from all sides.

THE CANADIAN GRAIN TRADE.

We have also had, within the past couple of truth in it than poetry, and the farmer would days, a visit from the Royal Commission on the grain trade in Canada, consisting of Messrs. John Miller (Chairman), Indian Head, Saskatchewan; W. L. McNair, of Keyes, Manitoba; and George E. Goldie, of Ayr, Ontario, with Mr. E. Weild, of Toronto, as Secretary. At the sitting held in Dublin on the 5th inst., Mr. Miller explained the object of the Commission, which was to inquire into certain complaints that had reached them in Canada, to the effect that Western grain had not been arriving in these countries in proper condition. He said that information he had already received showed that, although the grain was usually in good condition, occasionally it was not up to the mark, especially grain arriving through American ports which had received seaboard inspection. They hoped to make recommenda-Illustrations are here given of two combined tions so that the law would be improved, and the grain generally would come in better condition. That would benefit the importers here, as well as

The scheme of inspection and grading, as cara roller is shown following them. In some cases ried out by the authorities at Winnipeg, was V shaped consolidators are made use of in place detailed by Mr. Goldie, and, in reply to a question their opinions as to compression before and deliberate fraud. Another Irish witness said power after the seeders; also the form of roller. There he had few complaints to make as to "certifipast few years. It contained more soft grains with a ten furrow plow from 20 to 30 acres a day. than formerly; seven or eight years ago they I believe Mr. Greig is right about steam being were receiving No. 1 Northern which would be the best. I don't know much about gasoline not fit to be compared with the corresponding destination.

ings by hoping that the visit of the Cemmissioners would give Irish traders greater confidence in the future. At Belfast, another sitting was arranged, a few days later, to meet northern importers and millers.

A UNIQUE SEASON. The newspapers tell us that in the Arctic region the inhabitants are experiencing most temperate,

if, indeed, not actually warm weather. If this be so, judging by the atmospheric conditions in the British Isles this "summer," there is a serious derangement somewhere in climatic orthodoxy. We are now in the beginning of July, and there has been a dull monotony of cold, rainy days for the deen. The distinguished visitor, accompanied by appearances of improvement. The wonder of it all is that the country looks even as promising as it the dreaded blight already. This, of course, was the inevitable result of the record rainfall of own past experiences, and by the precepts of their instructors and well-wishers, to lose no time in spraying their crops with either the Burgundy or Bordeaux mixture, which have proved so effective in preventing the ravages of the noxious fungus. Haymaking was much delayed until a lot of the grass became over-ripe and past the most profitable stage for cutting. In brief spells of better weather, a good amount of mowing has been accomplished, and in many places the unsettled atmospheric conditions have led many farmers to consider the advisability of concocting the grass, not into hay, but into ensilage. This plan does not find general popularity in Ireland, though, during such a season as this, the conviction must be borne home on many minds that good ensilage is much to be preferred to badly-saved hay. Turnips were very late in being sown, but are coming on well.

Dublin, July 8th, 1907. EMERALD ISLE.

Light Agricultural Motors.

EDITOR FARMER'S ADVOCATE:

Mr. Greig in his article on light agricultural motors says it is for the farmer to settle what he wants to do with these motors. For my part, I think they must at least take the place of of the flat roller, and in the opinion of the writer from a Dublin factor, he stated that the mixing of three four horse teams—for threshing I shall use give better results. Agriculturists differ in grades were practically an impossibility, without my present traction engine which is a 32 horse

I don't think these small motors are going to is, however, no difficulty in meeting their require- cated" Canadian wheat coming from Canadian be much good for breaking; they don't get over ports, and he took good care to buy none through enough in a day, and if they're going to cost any-American ports. Yet a third, while confirming thing like \$3,000, well, I reckon that it's better this statement, added that, in his opinion. the to stick to the big engine, for you can buy a 32quality of the wheat had fallen off within the horse engine for that money and it will break

> fully equal to No. 1 Hard. In a discussion which engines, more than I see them always doing somefollowed on this alleged deterioration, it was thing at them. They don't get a proper spark suggested that it might possibly be due to exhaus- or something, and they seem a long time finding tion of the land. It was also stated that the out what is the matter. Most men know somecharge applied to California produce, and other thing about a steam engine and if it does go a bit countries, but not to Australia. The Canadian out of shape the fault is soon located, or it will winter wheats were declared by one importer as run as it were on three legs till it gets to its

stuff of ten to fifteen years ago. A south of I can see many uses for these small engines, Ireland witness brought forward the fact that but we must have them so that when we go out I venture to suggest that an implement of this Irish millers would desire regular and uninter- in the morning we shall get a full day's work out description would be found very valuable upon rupted shipment all the year round, which of them. How should we look in harvest time our vast prairies. Not only have we large tracts could not be obtained from ice-bound ports, if they give out? Why, it would mean stopping of land to be seeded yearly, but the sowing season Passing to the question of barley, Mr. Goldie three binders—a serious matter. Why don't is very limited—never perhaps has this been informed the company that the trade in malting some of the makers get busy and let us see what more realized than in the present year. The barley was increasing, and the Chairman added they can do this harvest? If it does go wrong, benefit from having all operations performed that a special feeding barley, suitable to Irish what of that? We have our horses ready. They at the same time will be apparent and the use needs, could be offered by Canada. After further would get to know something about it, and we



CULTIVATING WITH TRACTION ENGINE TO BREAK UP A HARD PAN.