## FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

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The Van Slyke Breaking Plow is especially constructed for Western prairie conditions and its merits are t the "under-cutting shear from he landside and the unique teering device. Numerous vractical farmers testify as to ts efficiency. Listen to what prominent agriculturalist has to say: prairie conditions and its merits are commendable. The important points are patented. These include the left hand coulter at an angle of 30 degrees,

720

THE

Dr J. W. Rowntee, President Van Slyke Plow Co., Red Deer, Alta. Dear

Dr J. W. Rowntee, President Van Slyke Plow Co., Red Deer, Alta. Dear Sir:--Referring to demonstration which was given by you of your breaking plow, a few days ago, I noted the following conditions which recommended it to me very strongly. The undercut share or fin on the landside, which prepared the next furrow for turning, would leave no possibility of any portion of the next furrow being turned without being cut loose from the adjacent sod. There seemed to be very little friction on the share and mold-board, it having so small an angle with the landside and the long sweep of the arms or rods back of the moldboard seemed to turn the sod with perfect ease and little friction, although turning the sod 20 inches in width, and a depth of not less than 4 inches, the draft was so light that it would appear one good team could handle it without very great effort. The coulter set at an angle and attached to the point of the share seemed to be a very good device, as it not only stiffened the coulter and kept it in exact position, but also cut the sol at an angle so it could less easily stand on edge. This assisted turning very much. Owing to the soil which we have in the irrigation block, I believe you will find it to your advantage instead of cutting a furrow 20 inches in width to cut two furrows 12 inches in width. This will have a tendency to join the edges so as to leave flat the surface and where the sod varies as, to its toughness, as it does here, it will turn the sod unbroken and leave a surface best suited for cultivating and would require less discing than it would if turned in wider furrows and not laid as regular. If a few details are worked out I consider you have a plow that will eclipse anything that is now on the market and will work a revolution in breaking sod on this Western prairie. With these few suggestions permit me to say, that any assistance I can give you in work-and is on the market, I want you to put me down for one for use on my farm. I under-stood that this comp

PATENT

VAN SLYKE PLOW COMPANY.

F. W. CRANDELL, Superintendent of Department of Irrigation and Colonization Dept. Can. Pac. Ry. Others likewise testify, while hundreds are sending in their orders. We guarantee it to work in all brush op gumbo soils. WRITE FOR FULL PARTICULARS



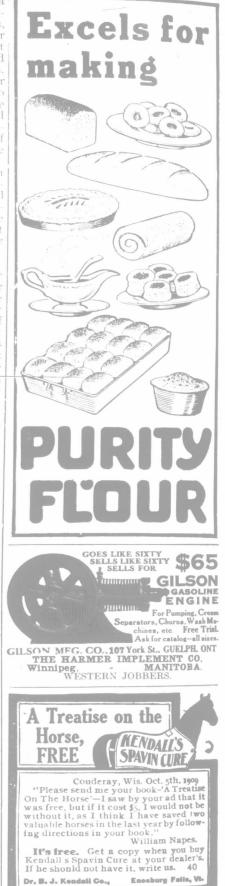
Lightning, or more particularly, a lightning flash, is a discharge of electricity between two electrical bodies, as between one cloud and another, or between a cloud and the earth. Most of us are familiar with electricity and the varied economic purposes it serves

In order that the difference between

may be produced by chemical action or be given an electrical charge. Thus, if one rubs his feet over a woollen carpet several times and then touches his fingers to the gas fixture, a slight spark will pass to the latter with an audible snap. In this experiment the body through friction with the woollen carpet, receives a very light electric charge The latter is discharged, or dissipated as soon as the finger touches the gas fixture. This experiment is intended to show the ease with which a body can receive an electric charge.

CONDUCTORS AND NON-CONDUCTORS. Bodies do not all behave alike when an electric charge has been given them thus some of them immediately con duct it away; in other words, charge does not permanently reside on the body. To these bodies the name of conductor has been given, hence the term "lightning conductor" means a body that will conduct or lead away a lightning discharge. Other bodies have the quality of retaining an electrical charge for some time or of permitting it to escape very slowly. These are called non-conductors or insulators. A conductor, if supported by a nonelectric charge, but the retention of the charge is due to the fact that the nonconducting support of the body pre vents the escape of the charge. Tele-graph lines, it will be remembered, are insulated from the poles by glass insulators. At one time it was thought necessary to insulate lightning rods from buildings by glass or porcelain insulators, but that view is not now

upon a copper conductor will be safely disposed of, provided the conductor is in connection with the earth. On the other hand, the same charge falling upon a piece of wood, the latter being



Founded .

Nuclean Board of Trade, P. O. Box 1078, Nelson, B. C. Canada

## FICATION.

In nature there are two kinds of elec

and cultivate fifty acres extr A homesteader who has stead right and cannot obta take a purchased homestear ating the bodies, and depends also on the material of the non-conductor separating the bodies. The latter is generally called the "medium" or advertisement will not be per t for.



## SYNOPSIS OF CANADIAN NORTHWEST LAND REGULATIONS

A NY person who is sole head of a family or any male over eighteen years old, may homestead a quarter-section of available Domin-ion land in Manitoba, Saskatchewan or Alberta. The applicant must appear in person at the Dominion Lands Agency or Sub-agency for the district. Entry by proxy may be made at any agency, on certain conditions, by father, mother son, daughter, brother or sister of intending homesteader.

Duties. — Six months' residence upon, and Duties. — Six months' residence upon, and cultivation of the land in each of three years A homesteader may live within nine miles of his homestead on a farm of at least 80 acres solely by him or by his father, would and occupied by him or by his father,

his homestead on a farm of , owned and occupied by h mother, son, daughter, bro In certain districts a h standing may pre-empt a c side of his homestead. P Duties. — Must reside six I Duties of homest him or by his nate rother or sister. homesteader in good side of his homestead. Price \$3,00 per acre Duties. — Must reside six months in each of six years from date of homestead entry (including the time required to earn homestead patent) and cultivate fifty acres extra. A homesteader who

exhausted his home-n a pre-emption may 1 in certain districts uties. — Must reside vears, cultivate fifty cub \$300.00.

W. W. CORY. Deputy of the Minister of the Interior B. — Unautherior