is not necessary to go beyond the limits of Winnipeg to find sturdy plants that have E_{DITOR} Farmer's Advocate: shed an abundance of seed—sufficient to in- I have read the articles in The Farmer's their friends. The young people are not satisfied fest several farms.

entails arduous and persistent labor and articles in a friendly way. I hope the writers will year because you may not be here to reap another high cost. The soil must be kept black so not think I am finding fault with their views, as I that no leaves develop to prepare food to keep want all the information I can get on this subject.

I have board Professor Redford say that land the running rootstocks in condition to con- left in grass for four or five years would not have tinue sending up shoots. A successful farmer any, or very few, wild oats in the following crop. from Niverville stated recently that he had Now C. S. Margetson claims that seeding down spent eight dollars an acre summer-fallowing has to be clean before seeding. K. McIvor also this season to combat the pest. Others have claims to be free of wild oats, and gives seeding spent as much or more. The man who suc- down the credit of keeping his land that way. My ceeds will follow the treatment by continual experience has been that where I seeded down on land containing wild oats, that in hay crops search next season, and a continuation of following I was cutting some wild oats each cultural methods, if need be. On badly-in- year. These must have been killed and I also on common diseases of the respiratory organs fested fields it might be well to plow late this find that grain crops following hay are nearly free treated in detail. This week's contribution takes fall, leaving the roots exposed to the frost all winter, and then follow with persistent culti- summer fallow? Mr. Margetson says not. Mr. and pleurisy — [Editor. vation next season.

Demonstration Farms

Nothing in any line of work has greater force ter, I have never cut a full crop nor a yield any- well understood that germs are the cause in some than a practical demonstration. Why not then have demonstration farms scattered through our broad Dominion? Colleges are established to instruct the younger men in upto-date methods, but as for reaching the older members of the vast agricultural army this system is slow and at best very ineffective. The average farmer is slow to accept suggestions from a college trained neighbor's son or even from his own son. The son, too, does not always accept the bald statement of his wellversed professor with the same feeling of satisfaction that he would accept it if it were backed up by practical demonstration on soil similar to that found in his neighborhood and under the same general conditions. Some branches of agricultural education can be taught and demonstrated to advantage in a college class room, but that branch which is of paramount importance to agriculture in Western Canada can be demonstrated only on the Canadian prairies.

Why not then establish demonstration farms in different parts of the West, easily accessible such numbers as will cover the various soil and inches deep and well worked after, I threshed produced by the same causes as bronchitis. In parts of Western Canada?

laudable work for some wealthy individual with the interests of agriculture at heart and a meadow. I had 40 acres done in June and have up by the fibrin or thread-like parts formed from desire to do something that will send his name it all backset ready for wheat. The other 40 the blood. In both forms the air spaces are through the future ages as one of the greatest though the future ages as one of the greatest than was so dry we could not be pastured until the middle of July and blocked up, the lung becomes solid like liver philanthropists of the twentieth century, is like brick. Again, perhaps some of our monied corporations spring, preferably wheat, but don't expect to get could muster up enough genuine interest in agricultural development to at least form the broken in spring and the result. nucleus for the good work. What could be of more lasting benefit to one of the railway companies now striving for supremacy on the I differ with the gentleman in thinking that is a stages of the disease may be said to be as follows: Canadian prairies than the inauguration of a benefit to me. The fact of my land not producing few demonstration farms along its line that more than my neighbors shows that the system vessels are distended or engorged with blood. would tend to revolutionize farming methods to such extent as to bring in hosts of settlers soil conserving, especially if it interferes with the 3. The cell walls change and the other con-

not see the advisability of such work then the make more out of? There are very few farms 5. Later this coagulation will undergo a change. burden falls on the government—either provin- that stay in families very long especially in this (a) If the animal is to recover, this coagulation cial or federal — to adopt such plan as a part of its agricultural educational scheme.

Country. I live in a good section of country. will gradually soften and break up — pass away of its agricultural educational scheme.

Country. I live in a good section of country. will gradually soften and break up — pass away of its agricultural educational scheme. of its agricultural educational scheme.

Seeding Down and Weeds

Advocate in answer to mine re "Seeding versus to wait until the father is through but go west Successful fighting of perennial sow thistle few more remarks and to criticize some of the I say, get all out of your farm you can every

> I have heard Professor Bedford say that land does not clear soil of any weeds, but that the land of weeds.

Is it possible to farm in Manitoba and not up the ailments commonly known as pneumonia McIvor, J. J. Ring, and Stephen Benson claim they do not fallow, and have not for a number of

had hail, and frost has only bothered us two years in the last twenty, and yet of all those settling here about 1882 only three are left - or any of harvest.

MANITOBA FARMER.

HORSE

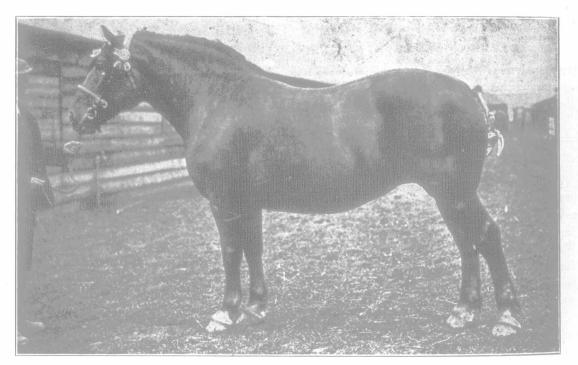
Diseases of the Respiratory Organs

PART III.

By J. FIELDING COTTRILL, V.S. This is the third of a series of interesting articles

PNEUMONIA

Pneumonia is decidedly a fatal disease in most years, and that their land produces as much per cases, and as such should not be attempted by any acre as when they used to fallow. That has not but a professional man, and he, a skilful pracbeen my experience. As I said in my former let-titioner who has no dread of this disease. It is



SUDBOURNE SURPRISE Excellent type of Suffolk mare, first in her class at the Royal show in 1909.

where nearly as good off hay ground broken up instances, but in others, neglect of a simpler lung to farmers of a comparatively wide area and in as on fallow. This year on 40 acres broken three disease is certainly the cause. Again it may be climatic conditions characteristic of various parts of Western Canada?

20 bushels per acre. On 40 acres alongside fact, when the seat of bronchitis is in the air cells broken in June and July and backset I threshed and smaller tubes there is not much difference 26 bushels per acre, all of it No. 1 Northern. between the two diseases — hence it is termed Naturally the question arises: Who should Across the road on no better land my neighbor broncho-pneumonia. In both cases that part of establish and maintain such farms? Here is a threshed 34 bushels per acre from fallow. Not the air space is blocked up by the catarhal much encouragement to seed down!

> then was so dry we could not break it and it still (and hence is said to be hepatized), and like it I wish to sow that to grain next will sink in water. it broken before spring. I would like to know if where the cause is any irritant, such as food, anyone has had any experience with timothy sod medicine, gases, smoke, etc. Impaction of the

> taking a ton and a half per acre of hay, I returned Wounds in the chest may also produce pneumonia. more to soil than if I had taken a grain crop, but Without going into minute details, the various does not work in that way.

Again, is it advisable to farm along the line of escapes and fills up the air spaces and increase the crops produced for shipment? yearly income? What benefit is it to me depriv- stituents of the blood escape. If monied men or wealthy corporations can
ing mysen and ranning of fuxuations at present to a leave behind a farm that some other man may and the whole becomes coagulated. been twenty bushels per acre. We have never occupy the cells.

exudate. In the other form known as the crow This year I intended breaking up 80 acres of ous or fibrinous form, the air spaces are blocked

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One form is known as mechanical pneumonia stomach, acute indigestion, influenza, strangles Mr. McIvor mentions that in seeding down and and glanders are often followed by pneumonia.

1. Congestion of the lungs, in which the blood

2. The serum, or fluid part of the blood,

ing myself and family of luxuries at present to 4. These escaped matters unite to form fibrin