

PARALYSIS COMPLETELY CURED

"Fruit-atives" Performs Another Miracle

BAZOOK, N. B., July 25th, 1912.
 "I had a stroke of Paralysis in March 1910, and this left me unable to walk or help myself, and the Constipation of the Bowels was terrible.
 Nothing did me any good and I was wretched in every way.
 I then took "Fruit-atives" for the Constipation and it not only cured me of this terrible trouble, but gradually this fruit medicine toned up the nerves and actually cured the Paralysis.
 By the use of "Fruit-atives", I grew stronger and stronger until all the Paralysis and weakness left me.
 I am now well again and attend my store every day. I say "Thank God for Fruit-atives!"

ALVA PHILLIPS.
 "Fruit-atives" not only cured the terrible Constipation, but so toned up the nervous system and the general health as to completely overcome the ailment.
 Truly "Fruit-atives" is a wonderful medicine.
 50c a box, 6 for \$2.50 trial size, 35c. At dealers or sent on receipt of price by Fruit-atives Limited, Ottawa.

COW TESTING EXPLAINED

(Continued from page 2.)

ninety-eight per cent accuracy. Granting that one more animal will show no more lesions, making three in all, we shall have made three errors in testing over 3,485 head of cattle. This is far better than we have ever been able to do with the temperature test.

In beginning our intradermal test, we were a little careless, sometimes purposely so, in regard to surgical cleanliness. While it is impossible to approach surgical cleanliness in using this test, we soon found it paid to be as clean as possible. Very few swellings result from infection and they are quite different in character from the swelling resulting from a positive reaction. The former is soft and inclined to extend along the tail, and passes away sooner. The characteristic reaction from the intradermal test is slightly rounded, very hard, rather painful and persists for several days. As far as our experience has gone, it appears that the reaction from the intradermal test, will, on the average, be at its height on the third day. Sometimes, as a matter of convenience, a re-examination of cattle after injection may be made on the third day.

We have found that the intradermal injection should be made with a medium sized needle; a very small needle might be preferable, but it is too easily broken. It is my opinion that the openings in the epidermis made by a large needle gives more opportunity for infection. We find it convenient to administer this test, taking hold around the tail with the left hand, and seizing the bare skin on the under surface between the middle finger and thumb, pulling it around as far as possible to one side. At first we attempted to pick up the caudal fold. We soon found that this was a waste of time and in our desire to go along with the work, we were willing to make the injection wherever we could find the skin soft and pliable. It is difficult to describe the insertion of the needle, but herein lies the secret of accuracy. A thoroughly clean needle should be pushed along under the surface of the skin, only deep enough so that when the tuberculin is injected, it will not ooze through to the surface. Three or four drops of tuberculin is sufficient to give a reaction. It is impossible to gauge this small amount on the plunger of an ordinary syringe. For all practical purposes, it is sufficient to watch the point of injection and

press upon the syringe handle until a little elevation, something like the size of a navy bean or a little larger is produced. By counting up the amount of tuberculin used, we find that about 2 drops will produce a little elevation of this size. A re-examination of a herd of cattle that are free from tuberculosis on the third day after injection shows absolutely nothing. It is extremely difficult and in many cases, quite impossible to find where the injection was made. In a tuberculous animal, a swelling appears, which varies quite a good deal in size but is sufficiently large, as a rule, that it may be seen for quite a distance. The swelling is hard, painful and sometimes extends around the upper surface of the tail and remains from five to ten days.

In all forms of tuberculin tests, an animal now and then will fail to show a clear cut reaction, either negative or positive. I have not been able to figure up the number of

"suspicious reactions from the use of the intradermal test, but as far as we have gone, the indications are that the uncertain reactions will be fewer in number than with the use of the temperature test.

I might say in conclusion that while the tuberculin test seems to be a very simple matter and that farmer and students are inclined to undertake it, it really requires a high degree of skill, judgment and care, if accurate results are to be expected. Neither veterinarian nor layman can jump in and make tuberculin tests and do the most accurate work at the beginning. We credit our record of accuracy to the fact that our men are well qualified veterinarians, are at this work continually and receive post mortem notes on all cattle slaughtered, while the animals are still fresh in their minds. Only after working at this testing for six months or a year is a veterinarian able to get the most accurate results. Where a veterinarian is testing all the cattle in the community, he soon gets familiar with the infected herds and has the history of many animals which he tests to aid him in drawing his conclusions. Without such history, errors are bound to occur.

Right here, I would like to explode the fallacy of the yearly testing of dairy herds for tuberculosis. Our observation for the past twelve years shows this theory to be absolutely correct in many cases. We had a fine example of results of an animal re-tested in the State Hospital herd at Farmington. In 1908, two cows reacted and were removed from the herd with reasonable promptness. The people in charge were instructed to disinfect. There is no doubt that

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some of the other animals were probably infected upon or shortly before the day the test was made and did not show any reaction. At any rate, the test in 1907 showed five animals diseased. These five were shipped out a little more promptly. The test in 1910 showed eleven of the best cows in the herd to be diseased. This was about what you get with the annual tuberculin test when you are handling diseased herds. The result will not always be as bad as this, but will be in many cases. In order to clean up a herd in which an open case of tuberculosis is found a retest must be made every sixty days, until no reactions are found and then again at the end of a year. Nothing short of this will be certain of results, so that with an annual retest of dairy herds, you are likely to find almost as many tuberculous cattle each succeeding year as were found in the beginning. In the meantime, the people who are seeking protection from tuberculous milk and paying for their money have received nothing for their money. The work of the veterinarian is discredited and the efforts of the city and state officials to correct conditions is more or less disgraced. On the other hand, we find herds of cattle in this state, which have been in existence for forty years and which do not contain a single diseased animal. When any herd of cattle is tested and found sound, especially if tested twice in succession, to make certain that no diseased animal is passed over, it can be safely counted as sound permanently, providing no diseased animals are



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MAIL CONTRACT

Sealed Tenders, addressed to the Postmaster General, will be received at Ottawa until Noon, on Friday, the 6th December 1912, for the conveyance of His Majesty's Mails, on a proposed Contract for four years, six times per week. Over special Star Mail Route from Wellington Station, P. E. I., to commence at the pleasure of the Postmaster General.
 Printed notices containing further information as to conditions of proposed Contract may be seen and blank forms of Tender may be obtained at the Post Offices of Wellington Station Macdougall, Ellis River and at the office of the Post Office Inspector, Post Office Inspector's Office, Charlottetown, Oct. 22nd, 1912.
JOHN F. WHEAR,
 Post Office Inspector.

MAIL CONTRACT

Sealed Tenders, addressed to the Postmaster General, will be received at Ottawa until Noon, on Friday, the 13th December, 1912, for the conveyance of His Majesty's Mails, on a proposed Contract for four years, six times per week.
 Over Itural Mail route from Summerside, (South West), Prince Edward Island to commence at the pleasure of the Postmaster General.
 Printed notices containing further information as to conditions of proposed Contract may be seen and blank forms of Tender may be obtained at the Post Offices of Summerside, St. Kieran's and route offices and at the office of the Post Office Inspector, Post Office Inspector's Office, Charlottetown, Nov. 4th, 1912.
John Whear
 Post Office Inspector.

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You are sure of a safe, luxurious and swift journey if you take the I. C. R. Route.
 Secure your ticket at the City Ticket Agency and you will be free from all worry, your baggage will be checked, sleeper booked and all connections arranged.
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You can buy the best hose for the whole family—the best hose made for the same price as ordinary hose if you simply insist on Pen-Angle Hosiery.

Pen-Angle Hosiery is knit without a seam—the name is an absolute guarantee of foot comfort, long wear, no rips and less darning than any other hose made.

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Pen-Angle Underwear is soft and velvety—it is knit to form, not dragged into shape—it is guaranteed to give utter satisfaction in every way.

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