# RETURN

To an Order of the House for a Return showing the number of cattle examined and those tested for tuberculosis by the tuberculin test, with a full report of the mode of procedure as followed by the Inspector, both before and after the injection of the tuberculin lymph, with a tabulated form showing the date of injection, kind and dose of tuberculin used; maximum and minimum temperature, both before and after injection; number of hours after injection when the temperature first exceeded the maximum of the previous day; the number of hours after the injection during which the temperature was higher than the maximum of the previous day; the amplitude of the reaction; date when killed and examined post-mortem, and the absence or presence of tuberculosis ( + present, − absent).

Also a return showing the condition of Mr. McRae's cattle with regard to the appearance and condition of the animals without the test, and the opinion of the Inspector as to their fitness for food, and his reasons for or against.

J. H. TURNER,

*Minister of Agriculture.*

*Department of Agriculture,*

*6th February, 1895.*

---

During the last year the number of cattle examined by the Inspector must have reached between four and five thousand, but those tested for tuberculosis by the tuberculin test was 442.

In conducting the tests the following course was adopted by the Inspector:—

Before injection four temperatures were taken at the interval of two (2) hours, usually beginning at 8 a.m. and ending at 2 p.m., after which the injection of tuberculin began. Six hours were then allowed to elapse before the temperatures of the animals were taken. These were taken at intervals of two (2) hours, usually beginning at 8 p.m., and terminating the following day at 2 p.m.

The kind and dose injected was two cubic centimeters (about 30 minims) of undiluted tuberculin as it was sent from the laboratory. In the case of yearlings and two-year-olds only one to one and one-half cubic centimeters, according to size. Bulls and very large animals received 3 cubic centimeters.

With regard to Mr. McRae's cattle, the Inspector states that before the test was made they at first sight appeared to be in excellent condition, but on closer inspection it was apparent that they were suffering from disease. The results of the post-mortem examinations of these cattle, with the exception of three (3), clearly showed that they were unfit for food, the disease in many cases permeating the whole system.

## POST-MORTEM EXAMINATIONS.

33, JOHN STREET, VICTORIA, B.C.,
January 14th, 1895.

*The Hon. J. H. Turner,*
*Minister of Agriculture.*

SIR,—I have the honour to submit the following report as to the results of the post-mortem examinations held on the following cattle belonging to Mr. Geo. McRae between the 5th and 10th of the present month. It will be seen that out of the forty-eight head of cattle examined only three were found to be apparently free from tuberculosis, no microscopical examination having been held.

*Lot No. 1.*

No. 1.—Bronchial glands, both lungs, and udder badly diseased with tuberculosis.
No. 4.—(The same organs diseased as in No. 1.)
No. 5.—Both lungs, liver, and mesenteric glands badly diseased with tuberculosis.
No. 6.—Post-mortem held on 21st September in the presence of Professor Saunders, when both lungs, liver, and small intestines were found to be tuberculous.
No. 7.—Bronchial glands, left lung, and liver diseased with tuberculosis.

*Lot No. 2.*

No. 2.—Right lung diseased with tuberculosis.
No. 3.—Bronchial glands and both lungs diseased with tuberculosis.
No. 4.—Bronchial glands and udder diseased with tuberculosis.
No. 5.—This animal was turned in with diseased cattle in quarantine by Mr. Geo. McRae; after examination the bronchial glands were found to be badly diseased with tuberculosis.
No. 6.—Submaxillary glands, both lungs, and liver diseased with tuberculosis.
No. 7.—Bronchial glands diseased with tuberculosis.
No. 9.—Bronchial glands and both lungs diseased with tuberculosis.
No. 10.—(Bull.) Bronchial glands and left lung diseased with tuberculosis.
No. 16.—Bronchial glands, left lung, and liver diseased with tuberculosis.
No. 17.—Bronchial glands, right lung, and liver diseased with tuberculosis.
No. 19.—Bronchial glands, both lungs, and liver diseased with tuberculosis.
No. 20.—Both lungs diseased with tuberculosis.

*Lot No. 3.*

No. 4.—(Apparently not diseased.)
No. 6.—Bronchial glands and liver diseased with tuberculosis.
No. 8.—Bronchial glands diseased with tuberculosis.
No. 10.—A very severe case of tuberculosis. The lungs and a portion of the brisket of this animal have been preserved in alcohol and are on view at the Agricultural Department.
No. 11.—Bronchial glands and right lung diseased with tuberculosis.
No. 12.—(Same organs diseased as No. 11.)
No. 14.—Bronchial glands and both lungs diseased with tuberculosis.
No. 15.—(Apparently not diseased.)
No. 16.—Bronchial glands, right lung, and liver diseased with tuberculosis.
No. 19.—Bronchial glands, both lungs, and liver diseased with tuberculosis.

*Lot No. 4.*

No. 1.—Bronchial glands and liver diseased with tuberculosis.
No. 2.—Mesenteric glands diseased with tuberculosis.
No. 3.—Bronchial glands and both lungs diseased with tuberculosis.
No. 6.—(Apparently not diseased.)

No. 8.—Bronchial glands, both lungs, and liver diseased with tuberculosis.
No. 10.—Liver, mesenteric glands and udder diseased with tuberculosis.
No. 12.—Both lungs, liver, spleen, and mesenteric glands diseased with tuberculosis. (A very severe case of mesenteric tuberculosis.)
No. 14.—Bronchial glands, both lungs, and liver diseased with tuberculosis.
No. 15.—Bronchial glands and both lungs diseased with tuberculosis.
No. 16.—One lung and liver diseased with tuberculosis.
No. 17.—Bronchial and mesenteric glands diseased with tuberculosis.

*Lot No. 5.*

No. 1.—Both lungs and both submaxillary glands diseased with tuberculosis.
No. 2.—Bronchial glands, both lungs, liver, and udder diseased with tuberculosis.
No. 3.—Bronchial glands, both lungs, liver, and mesenteric glands diseased with tuberculosis.
No. 6.—Bronchial glands and liver diseased with tuberculosis; also one tuberculous nodule below right eye.
No. 8.—Bronchial glands, right lung, liver, and udder diseased with tuberculosis.
No. 9.—Bronchial glands, both lungs, and intestines diseased with tuberculosis.
No. 10.—Bronchial glands, right lung, liver, and udder diseased with tuberculosis.
No. 12.—Bronchial glands, both lungs, liver, and mesenteric glands diseased with tuberculosis.
No. 15.—Bronchial glands and liver diseased with tuberculosis.

*Mr. Fairfull's Cow.*

This cow was returned by Mr. Fairfull, of James Bay, Victoria, to Mr. McRae as being a diseased cow. On holding a post-mortem examination the liver and mesenteric glands were found to be tuberculous.

In conclusion I may state that during the time the cows were in quarantine seven calves were dropped, all of which were slaughtered. On holding post-mortem examination on those calves only one was apparently affected with tuberculosis, this one being affected in the bronchial glands; the remaining six were handed over to Mr. McRae.

I have, &c.,
(Signed) F. S. ROPER,
*Inspector of Contagious Diseases (Animals).*

## REPORT FOR SEPTEMBER.

—o—

24, HILLSIDE AVENUE,
VICTORIA, 6th October, 1894.

*The Hon. J. H. Turner,*
*Minister of Agriculture.*

SIR,—I have the honour to submit my report for the month of September.

On the 1st I visited the different ranches along the Cadboro Bay Road.

Having inspected on the 3rd a number of ranches in Strawberry Vale Road, I proceeded to Mr. Walter Heal's ranch on the East Saanich Road for the purpose of taking the temperature of his cow. On making an examination of the animal I found that the temperature was in a normal condition. It is my intention at the end of this month to make a further test by using tuberculin.

On the 7th inst. I visited the ranch of Mr. H. King to inspect a Jersey cow, and after examination I found suspicious symptoms of tuberculosis. At my request, Mr. S. F. Tolmie, V.S., proceeded to Mr. King's ranch, and after examination came to the conclusion that the symptoms were sufficiently suspicious to justify the tuberculin test being used on her. On the following day I again inspected the cow, and took the normal temperatures of same, which are as follows:—

| 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. | 12 p.m. |
|---|---|---|---|---|
| 101 2-5 | 101 1-5 | 102 | 102 2-5 | 102 1-5 |

After injecting tuberculin on the 9th, I took her temperatures as follows:—

| 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | 12 p.m. |
|---|---|---|---|---|---|---|---|---|---|
| 102 2-5 | 102 3-5 | 102 | 102 2-5 | 101 | 101 2-5 | 101 3-5 | 100 3-5 | 101 | 102 2-5 |

As she appeared to be free from disease, nothing was left for me but to release her from quarantine.

With regard to the cow belonging to Mr. Coigdarripe, which had been running and stabled with the bull which I had caused to be destroyed on the previous month, both Mr. Tolmie and myself found after the post-mortem that the animal had not been suffering from tuberculosis, but that at some previous time had suffered from a severe attack of pleurisy.

Before causing the cow to be killed I took her normal temperatures both before and after using tuberculin:—

*Before Injection.*

| 2.30 p.m. | 4.30 p.m. | 6.30 p.m. | 8.30 p.m. | 12 p.m. |
|---|---|---|---|---|
| 101 2-5 | 102 2-5 | 100 4-5 | 100 | 100 |

*After Injection.*

| 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | 12 p.m. |
|---|---|---|---|---|---|---|---|---|---|
| 102 2-5 | 101 4-5 | 101 2-5 | 100 2-5 | 101 4-5 | 102 2-5 | 102 | 103 | 102 3-5 | 102 1-5 |

My reason for causing the destruction of this animal was from the fact that her temperature had risen from 100 2-5 at 12 m. to 103 at 8 p.m.

On the same date I obtained the following temperatures from a shorthorn cow belonging to the same gentleman before and after injecting tuberculin :—

*Before Injection.*

| 2.30 p.m. | 4.30 p.m. | 6.30 p.m. | 8.30 p.m. | 12 p.m. |
|---|---|---|---|---|
| 102 | 102 | 101 4-5 | 101 3-5 | 100 2-5 |

*After Injection.*

| 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | 12 p.m. |
|---|---|---|---|---|---|---|---|---|---|
| 102 2-5 | 102 | 101 4-5 | 101 2-5 | 101 1-5 | 101 3-5 | 101 3-5 | 102 1-5 | 102 | 101 4-5 |

Both the cows referred to were affected with a severe cough, which is one of the strongest symptoms of tuberculosis. However, I was obliged to free the cow last mentioned from quarantine.

On the 17th I inspected the cows of Mr. McRae, which I had quarantined the previous month. Before and after administering tuberculin I took the normal temperatures of the following cows :—

LOT NO. 1.

*Before Injection.*

| No. | | 1. p.m. | 4 p.m. | 6 p.m. | 10 p.m. |
|---|---|---|---|---|---|
| 1 | Shorthorn | 101 2-5 | 102 | 102 2-5 | 102 2-5 |
| 2 | do | 100 1-2 | 101 | 101 2-5 | 101 2-5 |
| 4 | do | 101 2-5 | 102 1-5 | 102 2-5 | 102 4-5 |
| 5 | do | 101 1-5 | 102 2-5 | 103 1-5 | 102 2-5 |
| 6 | Holstein | 101 3-5 | 102 2-5 | 103 | 102 |
| 7 | Common | 101 | 101 1-5 | 101 2-5 | 101 2-5 |
| 10 | do | 102 | 103 | 103 2-5 | 102 4-5 |

*After Injection.*

| No. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | 12 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1* | 101 4-5 | 102 | 102 2-5 | 102 | 103 1-5 | 104 2-5 | 103 4-5 | 103 2-5 | 103 | 101 4-5 |
| 2 | 102 2-5 | 103 2-5 | 103 | 101 | 100 4-5 | 101 1-5 | 101 1-5 | 102 | 101 1-5 | 101 |
| 4* | 101 | 101 4-5 | 101 4-5 | 101 1-5 | 102 2-5 | 105 | 105 2-5 | 105 1-5 | 104 1-5 | 102 2-5 |
| 5* | 102 | 102 | 102 | 101 2-5 | 101 4-5 | 103 4-5 | 104 4-5 | 104 3-5 | 104 | 102 3-5 |
| 6* | 102 1-5 | 103 3-5 | 106 2-5 | 106 2-5 | 105 4-5 | 105 1-5 | 105 1-5 | 104 2-5 | 104 4-5 | 103 1-5 |
| 7* | 101 | 101 2-5 | 101 2-5 | 101 2-5 | 103 1-5 | 105 | 105 2-5 | 105 | 104 | 102 3-5 |
| 10 | 103 2-5 | 102 1-5 | 101 2-5 | 100 4-5 | 100 3-5 | 101 1-5 | 101 1-5 | 101 2-5 | 100 4-5 | 101 |

Those marked * were found to be diseased.

With regard to No. 6, I may state that this was a fine-looking animal and apparently in a very healthy condition. However, I was perfectly satisfied that her lungs were affected with tuberculosis. At the request of Professor Saunders, who was desirous of holding a post-mortem examination on an animal to which the tuberculin test had been applied, I caused this animal to be killed. On making the post-mortem examination we found that the larynx and diaphragm showed no symptoms of disease, but that both lungs were seriously affected with tuberculosis, and in and on the liver and small intestines there appeared quite a number of tuberculous nodules.

In reference to No. 10, which in my opinion was an undoubted case of tuberculosis, it may not be out of place to say that although the temperature of the cow did not rise after injection this may be accounted for by the fact that the poison in the system had the effect of neutralizing the administration of the tuberculin.

Here I may be allowed to explain the reason why the other cows of Mr. McRae were not destroyed. As there were difficulties in the way, I did not deem it advisable to have them slaughtered, but ordered them still to be kept in quarantine.

On receiving a communication on the 28th from Mr. Lohse, of Shawnigan Lake, I proceeded thither on the following day, and visited Mr. R. B. Halhed's ranch to inspect his cows, but on my arrival I ascertained that both of his cows were in the bush and could not be found. Mr. Halhed, who was under the impression that one of his cows was suffering from disease, desired me to take an early opportunity of returning to test the animal by the injection of tuberculin.

I have, etc.,
(Signed) F. S. ROPER,
*Inspector of Animals.*

## REPORT FOR OCTOBER.

24, HILLSIDE AVENUE,
VICTORIA, B. C., 3rd November, 1894.

*The Hon. J. H. Turner,*
*Minister of Agriculture, Victoria.*

SIR,—I have the honour to submit my report for the month of October.

During the first week of the month I paid several visits to the ranches along Oak Bay and Cadboro Bay Roads. On the 7th, being notified by Mr. J. Rule, of the Gorge Road, that disease existed among his young stock, I proceeded to Macaulay's Point, where the animals were pastured. After a careful examination I found that one of his heifers was affected with tuberculosis. On the following day the animal was killed, and on the holding of a post-mortem examination I found that both lungs were wholly covered with tuberculous nodules. The intestines were similarly diseased. The animal in question had been bred on the Tolmie Estate.

On the 9th I commenced to take the normal temperatures of Mr. L. Coigdarripe's cattle, and after testing with tuberculin seven head I was convinced that the animals were free from disease. A clean bill of health was therefore granted. Similar tests were made on the cattle of Mr. B. W. Pearse, and finding no symptoms of contagious disease I also gave him a clean bill of health.

On the 13th I proceeded to Mr. McRae's ranch to examine his cattle. Between the 13th and 25th I have taken the normal temperatures of eighty-six head of Mr. McRae's cattle, as well as injected tuberculin in the same animals.

The results of these and other examinations I have shewn in a tabulated form annexed to my report.

I may here state that one cow which Mr. McRae had some two or three months ago sold to Mr. Fairfull was returned to the former on account of being diseased. This animal I was informed had been tested by Mr. R. Hamilton, V. S., and she is now in quarantine with the rest of the herd.

Being informed that Mr. S. F. Tolmie, V. S., had tested with tuberculin four bulls belonging to the Tolmie Estate and found them to be tuberculous, I proceeded to the ranch, and with the assistance of Mr. Tolmie I examined the remainder of the herd, viz, twenty-eight animals, of which number it was necessary to place seventeen in quarantine.

On the 30th and 31st I proceeded to Mr. Watson Clark's ranch, and after a careful examination of his animals I found that not a single case of tuberculosis existed amongst them. It will be seen from the tests annexed hereto that I could do nothing else than grant a clean bill of health to Mr. Clark.

On the 14th I received notice that some sheep belonging to Mr. Charles Ball, of Rocky Point, were suffering from disease, but being so busily engaged I was unable to undertake the necessary examination. I therefore called in the aid of Mr. S. F. Tolmie, V. S., who, after examination of the animals, furnished a certificate to the effect that the flock were free from contagious disease.

I may be allowed to point out that it was necessary to employ assistance in connection with the administration of the tuberculin test in the case of the cattle belonging to Mr. McRae and the Tolmie Estate. I need scarcely say that a very considerable portion of the whole day is occupied in these tests, necessitating a person being engaged from twenty to twenty-two hours out of the twenty-four. This will explain the necessity of the employment of two men for over three weeks, but it has been my endeavour to obtain the various results with as little expense as possible.

I have, &c.,
(Signed) F. S. ROPER,
*Inspector of Animals.*

## TEST ON MR. B. W. PEARSE'S CATTLE.

*Normal Temperature before Injection.*

| No. | | 12 a.m. | 2:30 p.m. | 4:30 p.m. | 6 p.m. |
|---|---|---|---|---|---|
| 1 | Jersey Cow ..... | 101 1-5 | 101 2-5 | 101 4-5 | 101 |
| 2 | Gray Durham Cow..... | 101 2-5 | 101 4-5 | 102 | 102 |

*After Injection.*

| No. | 12 p.m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 2-5 | 101 1-5 | 100 4-5 | 100 2-5 | 101 1-5 | 101 1-5 | 101 2-5 | 101 2-5 | 101 2-5 | 101 3-5 |
| 2 | 101 4-5 | 101 4-5 | 100 4-5 | 100 4-5 | 101 2-5 | 101 1-5 | 101 1-5 | 101 2-5 | 101 3-5 | 102 |

## TEST ON MR. L. COIGDARRIPE'S CATTLE.

*Normal Temperature before Injection.*

| No. | | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. |
|---|---|---|---|---|---|
| 1 | ..... | 101 4-5 | 101 3-5 | 101 2-5 | 101 2-5 |
| 2 | ..... | 102 2-5 | 102 2-5 | 102 | 102 |
| 3 | ..... | 102 2-5 | 102 2-5 | 102 2-5 | 102 |
| 4 | ..... | 103 | 103 | 102 4-5 | 102 2-5 |
| 5 | ..... | 103 | 102 4-5 | 102 4-5 | 102 2-5 |
| 6 | ..... | 102 4-5 | 102 2-5 | 101 2-5 | 101 2-5 |
| 7 | ..... | 102 2-5 | 102 2-5 | 101 2 5 | 101 2-5 |
| 8 | ..... | 102 4-5 | 102 3-5 | 102 3-5 | 102 3-5 |
| 9 | ..... | 102 1-5 | 102 1-5 | 102 1-5 | 102 |
| 10 | ..... | 102 1-5 | 102 | 102 | 102 |

*After Injection.*

| No. | 12 p.m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 100 2-5 | 100 2-5 | 100 2-5 | 100 | 100 3-5 | 101 3-5 | 100 2-5 | 102 | 101 |
| 2 | 100 1-5 | 100 1-5 | 100 1-5 | 100 3-5 | 101 2-5 | 101 2-5 | 100 2-5 | 101 | 101 4-5 | 101 2-5 |
| 3 | 101 1-5 | 100 | 100 | 100 1-5 | 101 3-5 | 102 2-5 | 101 3-5 | 102 4-5 | 102 3-5 | 102 |
| 4 | Not inje | cted — T | urned ou | t— Forw | ard in ca | lf. | | | | |
| 5 | 101 2-5 | 101 2-5 | 101 3-5 | 101 3-5 | 101 3-5 | 102 3-5 | 102 1-5 | 102 | 102 3-5 | 102 1-5 |
| 6 | 101 1-5 | 101 1-5 | 101 3-5 | 101 3-5 | 101 1-5 | 102 4-5 | 102 2-5 | 101 4-5 | 102 3-5 | 102 1-5 |
| 7 | 101 | 101 | 101 3-5 | 101 3-5 | 101 1-5 | 100 4-5 | 100 | 102 | 102 2-5 | 102 1-5 |
| 8 | Not inje | cted — T | urned ou | t— Forw | ard in ca | lf. | | | | |
| 9 | " | " | " | " | " | | | | | |
| 10 | 101 1-5 | 101 | 101 | 101 | 101 | 100 1-5 | 101 1-5 | 101 3-5 | 103 | 102 |

## TEST ON CATTLE ON MR. TOLMIE'S STOCK FARM.

### LOT No. 1.

*Normal Temperature before Injection.*

| No. | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. |
|---|---|---|---|---|---|
| 1 | ..... | 103 1-5 | 102 4-5 | 103 | 102 2-5 |
| 2 | ..... | 102 2-5 | 102 1-5 | 102 3-5 | 102 |
| 3 | ..... | 102 4-5 | 102 3-5 | 102 2-5 | 102 1-5 |
| 4 | ..... | 101 2-5 | 102 1-5 | 101 3-5 | 101 3-5 |
| 5 | ..... | 101 | 101 2-5 | 101 3-5 | 101 1-5 |
| 6 | ..... | 100 4-5 | 101 4-5 | 101 3-5 | 101 2-5 |
| 7 | ..... | 101 | 101 3-5 | 101 2-5 | 101 1-5 |
| 8 | ..... | 101 4-5 | 101 3-5 | 101 1-5 | 101 2-5 |
| 9 | ..... | 102 | 102 | 101 4-5 | 101 3-5 |
| 10 | ..... | 101 1-5 | 101 2-5 | 101 | 101 1-5 |
| 11 | ..... | 102 3-5 | 103 | 102 2-5 | 102 2-5 |
| 12 | ..... | 103 | 102 3-5 | 102 4-5 | 102 3-5 |
| 13 | ..... | 102 1-5 | 101 4-5 | 101 3-5 | 101 3-5 |
| 14 | ..... | 101 4-5 | 102 3-5 | 101 3-5 | 101 1-5 |
| 15 | ..... | 101 1-5 | 101 1-5 | 101 | 101 |
| 16 | ..... | 102 | 102 | 102 | 101 2-5 |
| 17 | ..... | 101 3-5 | 102 1-5 | 101 4-5 | 101 2-5 |
| 18 | ..... | 100 4-5 | 101 2-5 | 101 1-5 | 101 1-5 |
| 19 | ..... | 101 | 101 2-5 | 101 2-5 | 101 |
| 20 | ..... | 101 3-5 | 101 4-5 | 102 | 101 2-5 |

*After Injection.*

| No. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 102 | 102 | 102 1-5 | 102 3-5 | 103 | 102 4-5 | 102 3-5 | 102 1-5 | 102 3-5 | 102 2-5 |
| 2 | 101 2-5 | 100 4-5 | 101 | 101 4-5 | 102 2-5 | 102 2-5 | 102 | 101 4-5 | 102 | 101 2-5 |
| 3 | 102 | 102 4-5 | 103 4-5 | 104 1-5 | 103 3-5 | 103 4-5 | 103 4-5 | 104 | 103 2-5 | 103 1-5 |
| 4 | 101 1-5 | 100 2-5 | 101 | 101 2-5 | 101 1-5 | 101 2-5 | 100 | 100 2-5 | 100 4-5 | 100 3-5 |
| 5 | 100 | 99 | 100 | 100 2-5 | 101 | 100 4-5 | 100 1-5 | 100 1-5 | 99 4-5 | 100 |
| 6 | 100 4-5 | 100 3-5 | 100 3-5 | 100 1-5 | 101 2-5 | 102 | 101 4-5 | 102 1-5 | 101 4-5 | 102 3-5 |
| 7 | 100 2-5 | 100 1-5 | 100 1-5 | 100 2-5 | 101 3-5 | 104 | 103 3-5 | 103 2-5 | 103 4-5 | 103 |
| 8 | 100 3-5 | 100 | 101 | 101 | 101 | 101 1-5 | 101 2-5 | 100 4-5 | 100 3-5 | 100 4-5 |
| 9 | 100 3-5 | 101 | 101 | 101 1-5 | 101 | 101 2-5 | 101 | 101 1-5 | 101 2-5 | 101 |
| 10 | 101 1-5 | 101 3-5 | 102 1-5 | 104 | 105 1-5 | 105 2-5 | 104 4-5 | 104 3-5 | 104 1-5 | 104 1-5 |
| 11 | 101 4-5 | 102 | 102 1-5 | 102 | 102 1-5 | 102 3-5 | 101 4-5 | 102 | 102 1-5 | 102 2-5 |
| 12 | 101 2-5 | 101 3-5 | 101 2-5 | 101 4-5 | 101 2-5 | 101 4-5 | 101 4-5 | 101 4-5 | 101 3-5 | 101 4-5 |
| 13 | 101 | 100 4-5 | 101 | 101 4-5 | 102 | 101 4-5 | 102 | 102 | 101 4-5 | 101 3-5 |
| 14 | 102 2-5 | 102 4-5 | 104 3-5 | 105 3 5 | 106 | 105 3-5 | 104 1-5 | 104 2-5 | 103 4-5 | 102 3-5 |
| 15 | 100 3-5 | 100 3-5 | 100 4-5 | 101 1-5 | 101 2-5 | 103 3-5 | 102 3-5 | 104 | 104 | 103 |
| 16 | 101 | 101 1-5 | 102 | 103 3-5 | 104 3-5 | 105 | 103 2-5 | 104 | 103 1-5 | 102 4-5 |
| 17 | 100 3-5 | 100 4-5 | 102 | 103 4-5 | 105 2-5 | 105 3-5 | 104 4-5 | 104 4-5 | 104 | 103 2-5 |
| 18 | 100 4-5 | 100 3-5 | 102 | 104 | 104 3-5 | 104 3-5 | 102 3-5 | 103 2-5 | 103 1-5 | 103 1-5 |
| 19 | 100 | 100 3-5 | 100 3-5 | 101 2-5 | 101 4-5 | 103 4-5 | 101 3-5 | 101 2-5 | 102 2-5 | 103 1-5 |
| 20 | 101 | 100 4-5 | 101 2-5 | 102 1-5 | 102 | 103 1-5 | 102 | 102 2-5 | 103 | 102 |

## TEST ON CATTLE ON MR. TOLMIE'S STOCK FARM.

### LOT No. 2.

*Normal Temperature before Injection.*

| No. | | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. |
|---|---|---|---|---|---|---|
| 1 | ..... | 101 2-5 | 101 1-5 | 100 4-5 | 101 1-5 | 101 2-5 |
| 2 | ..... | 101 | 101 2-5 | 101 1-5 | 101 3-5 | 101 1-5 |
| 3 | ..... | 101 2-5 | 101 2-5 | 101 2-5 | 101 | 101 1-5 |
| 4 | ..... | 101 1-5 | 101 2-5 | 101 2-5 | 101 | 100 |
| 5 | ..... | 101 1-5 | 101 2-5 | 101 3-5 | 101 | 101 1-5 |
| 6 | ..... | 101 2-5 | 101 | 101 2-5 | 101 | 101 |
| 7 | ..... | 101 1-5 | 101 2-5 | 101 3-5 | 101 4-5 | 102 |
| 8 | ..... | 101 2-5 | 102 1-5 | 102 4-5 | 101 3-5 | 102 1-5 |
| 9 | ..... | 102 4-5 | 102 4-5 | 103 1-5 | 103 1-5 | 103 2-5 |
| 10 | ..... | 102 2-5 | 102 | 102 1-5 | 101 3-5 | 102 2-5 |
| 11 | ..... | 101 1-5 | 101 | 101 4-5 | 102 1-5 | 102 2-5 |
| 12 | ..... | 100 2-5 | 101 1-5 | 101 4-5 | 101 | 101 |

*After Injection.*

| No. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 98 3-5 | 99 2-5 | 98 | 99 2-5 | 100 2-5 | 101 | 102 | 101 2-5 | 100 4-5 | 100 4-5 |
| 2 | 99 4-5 | 99 3-5 | 98 3-5 | 100 2-5 | 100 | 101 | 101 1-5 | 101 1-5 | 101 3-5 | 100 |
| 3 | 100 2-5 | 100 1-5 | 101 4-5 | 103 | 103 4-5 | 104 4-5 | 105 2-5 | 105 | 104 2-5 | 105 |
| 4 | 99 2-5 | 100 | 100 | 101 1-5 | 100 2-5 | 101 3-5 | 101 2-5 | 101 3-5 | 102 | 100 4-5 |
| 5 | 102 | 102 4-5 | 104 2-5 | 105 3-5 | 105 | 105 4-5 | 105 | 105 | 104 | 103 2-5 |
| 6 | 100 3-5 | 100 1-5 | 101 3-5 | 100 3-5 | 100 3-5 | 101 | 101 3-5 | 100 4-5 | 101 1-5 | 101 2-5 |
| 7 | 101 | 100 2-5 | 100 4-5 | 101 4-5 | 101 2-5 | 101 | 101 | 101 | 101 2-5 | 101 1-5 |
| 8 | 100 3-5 | 100 4-5 | 101 2-5 | 101 3-5 | 101 3-5 | 101 | 101 3-5 | 102 | 102 | 102 1-5 |
| 9 | 103 1-5 | 103 1-5 | 103 3-5 | 103 2-5 | 103 3-5 | 103 3-5 | 104 | 103 4-5 | 103 1-5 | 104 |
| 10 | 102 | 102 | 102 1-5 | 102 3-5 | 103 3-5 | 103 2-5 | 104 1-5 | 104 1-5 | 104 1-5 | 103 3-5 |
| 11 | 101 2-5 | 101 2-5 | 101 2-5 | 100 4-5 | 101 3-5 | 101 3-5 | 102 | 102 1-5 | 103 | 102 2-5 |
| 12 | 100 | 100 3-5 | 101 2-5 | 103 1-5 | 105 4-5 | 105 4-5 | 105 2-5 | 105 2-5 | 104 4-5 | 103 3-5 |

## TEST ON CATTLE ON MR. McRAE'S MILK RANCH.

### LOT No. 2.

*Normal Temperature before Injection.*

| No. | | 3 p.m. | 5 p.m. | 7 p.m. | 9 p.m. |
|---|---|---|---|---|---|
| 1 | Shorthorn | 102 2-5 | 102 3-5 | 102 1-5 | 101 1-5 |
| 2 | " | 102 1-5 | 102 3-5 | 102 3-5 | 101 3-5 |
| 3 | " | 102 1-5 | 102 3-5 | 103 | 102 |
| 4 | | 104 1-5 | 105 | 105 | 103 1-5 |
| 5 | Common bred | 104 1-5 | 105 1-5 | 104 4-5 | 102 4-5 |
| 6 | | 103 4-5 | 104 3-5 | 102 2-5 | 103 1-5 |
| 7 | Holstein | 102 1-5 | 102 | 102 1-5 | 101 |
| 8 | Jersey | 103 3-5 | 103 4-5 | 103 2-5 | 102 2-5 |
| 9 | Durham | 102 2-5 | 102 2-5 | 103 3-5 | 102 |
| 10 | Grey Bull, Durham | 102 2-5 | 102 2-5 | 102 | 102 1-5 |
| 11 | | 101 4-5 | 102 4-5 | 103 2-5 | 101 4-5 |
| 12 | Muley | 103 2-5 | 103 1-5 | 102 4-5 | 102 4-5 |
| 13 | " | 102 2-5 | 103 | 101 4-5 | 102 |
| 14 | " | 103 2-5 | 103 | 103 4-5 | 103 2-5 |
| 15 | " | 102 2-5 | 102 1-5 | 102 | 102 2-5 |
| 16 | " | 102 4-5 | 103 1-5 | 102 3-5 | 103 |
| 17 | Holstein | 103 3-5 | 103 3-5 | 102 2-5 | 103 1-5 |
| 18 | " | 102 2-5 | 103 | 101 3-5 | 102 1-5 |
| 19 | | 103 2-5 | 103 1-5 | 102 | 102 2-5 |
| 20 | | 103 2-5 | 103 4-5 | 103 1-5 | 103 3-5 |

*After Injection.*

| No. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 2-5 | 101 | 101 3-5 | 101 4-5 | 101 2-5 | 101 4-5 | 101 4-5 | 102 3-5 | 101 4-5 | 101 1-5 |
| 2* | 101 | 101 1-5 | 102 | 103 4-5 | 104 1-5 | 105 1-5 | 105 | 104 4-5 | 103 1-5 | 103 3-5 |
| 3* | 101 1-5 | 101 3-5 | 102 1-5 | 103 2-5 | 104 1-5 | 104 | 104 2-5 | 103 4-5 | 102 | 101 3-5 |
| 4* | 102 1-5 | 103 | 102 3-5 | 104 1-5 | 105 4-5 | 105 4-5 | 105 3-5 | 105 1-5 | 103 4-5 | 104 3-5 |
| 5* | 103 1-5 | 102 1-5 | 102 2-5 | 102 | 102 | 102 1-5 | 101 1-5 | 102 | 101 1-5 | 101 3-5 |
| 6* | 101 4-5 | 102 | 102 1-5 | 102 4-5 | 103 2-5 | 104 3-5 | 104 | 104 | 102 2-5 | 103 3-5 |
| 7* | 100 4-5 | 101 | 101 4-5 | 103 1-5 | 105 2-5 | 106 1-5 | 106 1-5 | 105 2-5 | 104 | 104 2-5 |
| 8 | 102 | 102 2-5 | 102 1-5 | 102 1-4 | 102 | 102 | 102 3-5 | 101 | 101 1-5 | 102 |
| 9* | 101 4-5 | 101 1-5 | 102 2-5 | 104 1-5 | 105 2-5 | 107 | 107 2-5 | 105 1-5 | 102 3-5 | 103 1-5 |
| 10* | 101 3-5 | 101 4-5 | 102 1-5 | 102 | 104 4-5 | 106 | 106 4-5 | 106 | 104 3-5 | 103 3-5 |
| 11 | 102 3-5 | 101 3-5 | 101 4-5 | 101 2-5 | 100 2-5 | 101 4-5 | 102 | 102 | 100 4-5 | 100 |
| 12 | 102 1-5 | 102 1-5 | 101 4-5 | 102 | 102 1-5 | 102 2-5 | 103 2-5 | 102 | 102 2-5 | 102 1-5 |
| 13 | 101 3-5 | 101 3-5 | 101 3-5 | 101 3-5 | 102 | 102 2-5 | 102 1-5 | 102 2-5 | 102 2-5 | 101 3-5 |
| 14 | 102 4-5 | 102 1-5 | 102 3-5 | 102 3-5 | 102 3-5 | 102 3-5 | 102 3-5 | 102 | 102 3-5 | 102 2-5 |
| 15 | 101 3-5 | 101 2-5 | 102 | 102 1-5 | 102 1-5 | 102 2-5 | 102 3-5 | 102 3-5 | 103 1-5 | 103 2-5 |
| 16* | 102 1-5 | 102 1-5 | 102 4-5 | 103 | 104 3-5 | 106 1-5 | 106 | 105 | 105 3-5 | 102 3-5 |
| 17* | 102 | 103 | 103 1-5 | 103 2-5 | 103 2-5 | 104 1-5 | 104 4-5 | 104 1-5 | 104 4-5 | 103 4-5 |
| 18 | 101 | 101 3-5 | 102 | 102 2-5 | 102 1-5 | 102 | 102 | 101 4-5 | 101 3-5 | 101 |
| 19* | 101 3-5 | 101 4-5 | 102 1-5 | 102 4-5 | 104 2-5 | 105 | 105 3-5 | 104 4-5 | 104 2-5 | 103 4-5 |
| 20* | 101 4-5 | 101 4-5 | 102 2-5 | 102 3-5 | 102 2-5 | 103 1-5 | 103 3-5 | 104 1-5 | 104 4-5 | 104 |

Those marked * were found to be diseased.

## LOT NO. 3.

*Normal Temperature before Injection.*

| No. | | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. |
|---|---|---|---|---|---|
| 1 | ..... | 101 2-5 | 101 1-5 | 102 | 100 2-5 |
| 2 | ..... | 102 | 102 | 101 2-5 | 101 4-5 |
| 3 | ..... | 102 2-5 | 101 3-5 | 101 1-5 | 101 4-5 |
| 4 | ..... | 102 1-5 | 102 2-5 | 102 2-5 | 102 4-5 |
| 5 | ..... | 100 2-5 | 100 4-5 | 101 2-5 | 101 2-5 |
| 6 | ..... | 101 | 101 3-5 | 101 | 101 4-5 |
| 7 | ..... | 101 1-5 | 101 | 101 1-5 | 102 |
| 8 | ..... | 100 1-5 | 100 4-5 | 100 4-5 | 101 4-5 |
| 9 | ..... | 101 3-5 | 102 3-5 | 102 3-5 | 102 4-5 |
| 10 | ..... | 101 | 100 4-5 | 100 3-5 | 101 2-5 |
| 11 | ..... | 101 2-5 | 101 1-5 | 100 2-5 | 101 4-5 |
| 12 | ..... | 100 4-5 | 101 1-5 | 101 1-5 | 102 |
| 13 | ..... | 101 4-5 | 101 4-5 | 101 3-5 | 102 |
| 14 | ..... | 101 3-5 | 101 2-5 | 101 1-5 | 101 3-5 |
| 15 | ..... | 101 1-5 | 101 3-5 | 101 | 101 3-5 |
| 16 | ..... | 100 4-5 | 101 1-5 | 101 2-5 | 102 |
| 17 | ..... | 105 | 102 4-5 | 101 | 100 2-5 |
| 18 | ..... | 100 4-5 | 100 4-5 | 101 | 101 1-5 |
| 19 | ..... | 101 1-5 | 101 2-5 | 101 1-5 | 102 1-5 |
| 20 | ..... | 101 3-5 | 101 4-5 | 101 3-5 | 102 1-5 |

*After Injection.*

| No. | 10 p.m. | 12 p.m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 1-5 | 101 | 100 3-5 | 100 | 100 4-5 | 100 1-5 | 100 3-5 | 101 | 101 | 101 4-5 |
| 2 | 101 1-5 | 101 1-5 | 100 | 100 | 101 3-5 | 101 2-5 | 102 | 102 4-5 | 102 2-5 | 102 1-5 |
| 3 | 101 2-5 | 101 | 100 4-5 | 100 4-5 | 101 1-5 | 101 2-5 | 100 | 100 4-5 | 101 3-5 | 101 4-5 |
| 4 | 102 | 101 4-5 | 103 4-5 | 105 2-5 | 105 | 104 4-5 | 105 | 106 1-5 | 106 1-5 | 105 2-5 |
| 5 | 101 | 101 1-5 | 100 4-5 | 101 | 101 | 101 2-5 | 100 4-5 | 101 | 101 2-5 | 101 1-5 |
| 6* | 103 1-5 | 104 1-5 | 105 | 103 4-5 | 103 4-5 | 103 3-5 | 103 3-5 | 103 | 102 1-5 | 102 1-5 |
| 7 | 100 4-5 | 101 1-5 | 100 1-5 | 100 3-5 | 100 2-5 | 101 1-5 | 100 2-5 | 101 | 101 4-5 | 101 4-5 |
| 8* | 101 2-5 | 102 2-5 | 104 2-5 | 105 4-5 | 106 1-5 | 107 | 106 | 106 1-5 | 105 4-5 | 105 4-5 |
| 9 | 101 2-5 | 101 | 100 3-5 | 100 | 100 1-5 | 100 4-5 | 101 2-5 | 101 3-5 | 102 1-5 | 102 1-5 |
| 10* | 103 2-5 | 102 4-5 | 103 3-5 | 104 1-5 | 104 3-5 | 103 4-5 | 103 4-5 | 104 1-5 | 102 1-5 | 102 2-5 |
| 11* | 101 3-5 | 102 3-5 | 102 4-5 | 103 4-5 | 104 2-5 | 105 4-5 | 104 2-5 | 105 1-5 | 105 2-5 | 105 |
| 12* | 100 3-5 | 100 1-5 | 100 1-5 | 100 4-5 | 101 2-5 | 103 1-5 | 105 1-5 | 106 1-5 | 105 1-5 | 104 4-5 |
| 13 | 101 3-5 | 101 3-5 | 100 4-5 | 101 1-5 | 101 | 101 4-5 | 101 | 102 2-5 | 102 3-5 | 102 1-5 |
| 14* | 101 2-5 | 102 1-5 | 102 2-5 | 103 3-5 | 104 | 105 1-5 | 103 3-5 | 106 | 105 1-5 | 105 2-5 |
| 15 | 101 1-5 | 101 1-5 | 101 1-5 | 102 4-5 | 104 4-5 | 106 | 106 | 106 | 105 | 104 |
| 16* | 103 1-5 | 105 1-5 | 105 3-5 | 105 4-5 | 105 3-5 | 105 2-5 | 105 2-5 | 106 2-5 | 105 4-5 | 105 3-5 |
| 17 | 100 2-5 | 100 2-5 | 100 | 100 2-5 | 100 2-5 | 100 1-5 | 100 | 100 1-5 | 100 4-5 | 102 |
| 18 | 101 | 101 | 100 2-5 | 100 3-5 | 100 2-5 | 100 3-5 | 100 2-5 | 102 1-5 | 102 1-5 | 102 |
| 19* | 100 4-5 | 100 4-5 | 101 | 101 | 101 4-5 | 103 3-5 | 105 1-5 | 105 | 104 3-5 | 103 |
| 20 | 101 2-5 | 102 2-5 | 102 4-5 | 102 3-5 | 102 3-5 | 102 1-5 | 102 1-5 | 102 | 102 4-5 | 102 3-5 |

Those marked * were found to be diseased.

## LOT NO. 4.

*Normal Temperature before Injection.*

| No. | | 8 p.m. | 10 p.m. | 12 p.m. | 2 a.m. |
|---|---|---|---|---|---|
| 1 | ..... | 101 3-5 | 102 | 101 | 100 4-5 |
| 2 | ..... | 101 1-5 | 101 1-5 | 101 | 101 1-5 |
| 3 | ..... | 101 3-5 | 102 1-5 | 101 3-5 | 101 2-5 |
| 4 | ..... | 101 2-5 | 101 | 100 4-5 | 101 |
| 5 | ..... | 101 1-5 | 101 1-5 | 101 | 100 4-5 |
| 6 | ..... | 101 1-5 | 102 | 100 3-5 | 100 1-5 |
| 7 | ..... | 101 1-5 | 101 2-5 | 101 | 101 |
| 8 | ..... | 101 | 102 | 100 3-5 | 100 4-5 |
| 9 | ..... | 102 | 102 | 101 3-5 | 101 3-5 |
| 10 | ..... | 101 2-5 | 101 | 101 | 101 2-5 |
| 11 | ..... | 101 | 100 2-5 | 100 | 100 2-5 |
| 12 | ..... | 101 2-5 | 101 2-5 | 101 2-5 | 101 2-5 |
| 13 | ..... | 100 4-5 | 100 4-5 | 100 3-5 | 100 3-5 |
| 14 | ..... | 100 3-5 | 100 2-5 | 100 4-5 | 101 |
| 15 | ..... | 100 1-5 | 100 4-5 | 100 4-5 | 101 |
| 16 | ..... | 102 3-5 | 102 2-5 | 102 | 102 |
| 17 | ..... | 102 2-5 | 102 2-5 | 102 1-5 | 101 4-5 |
| 18 | ..... | 101 2-5 | 101 1-5 | 100 4-5 | 100 4-5 |
| 19 | ..... | 101 4-5 | 101 2-5 | 101 2-5 | 101 |
| 20 | ..... | 101 3-5 | 101 2-5 | 101 1-5 | 101 |

*After Injection.*

| No. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | 12 p.m. | 2 a.m. | 4 a.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1* | 101 3-5 | 102 4-5 | 102 3-5 | 103 4-5 | 105 1-5 | 106 | 105 2-5 | 104 2-5 | 104 | 103 3-5 |
| 2* | 101 2-5 | 101 3 5 | 101 1-5 | 102 2-5 | 104 | 105 4-5 | 105 1-5 | 104 1-5 | 103 4-5 | 102 4-5 |
| 3* | 101 1-5 | 101 4-5 | 101 | 102 4-5 | 106 1-5 | 106 2-5 | 105 2-5 | 105 | 103 4-5 | 103 |
| 4 | 101 2-5 | 101 2-5 | 100 3-5 | 101 2-5 | 101 3-5 | 101 1-5 | 101 2-5 | 101 1-5 | 101 | 101 1-5 |
| 5 | 101 1-5 | 101 3-5 | 101 3-5 | 101 4-5 | 101 4-5 | 101 3-5 | 101 | 100 2-5 | 101 | 100 2-5 |
| 6 | 100 4-5 | 101 | 102 | 104 | 104 3-5 | 104 | 103 2-5 | 103 | 102 | 101 3-5 |
| 7 | 101 4-5 | 101 3-5 | 100 1-5 | 101 2-5 | 101 2-5 | 101 1-5 | 100 3-5 | 100 3-5 | 100 4-5 | 101 1-5 |
| 8* | 102 | 103 1-5 | 103 | 105 1-5 | 106 | 105 4-5 | 104 3-5 | 104 | 104 1-5 | 103 1-5 |
| 9 | 102 | 102 | 102 | 102 4-5 | 102 3-5 | 102 1-5 | 102 2-5 | 102 1-5 | 102 2-5 | 102 1-5 |
| 10* | 101 2-5 | 102 1-5 | 101 1-5 | 102 | 103 3-5 | 105 | 104 1-5 | 102 1-5 | 101 3-5 | 100 1-5 |
| 11 | 100 1-5 | 101 3-5 | 100 | 100 | 100 | 100 1-5 | 100 4-5 | 100 | 100 | 100 1-5 |
| 12* | 101 2-5 | 101 3-5 | 102 1-5 | 102 2-5 | 104 2-5 | 104 1-5 | 104 | 103 2-5 | 103 1-5 | 102 1-5 |
| 13 | 101 | 101 | 101 | 101 1-5 | 102 2-5 | 102 2-5 | 101 2-5 | 101 | 101 2-5 | 101 |
| 14* | 102 | 102 | 103 4-5 | 106 | 106 1-5 | 105 | 104 | 103 | 103 4-5 | 104 |
| 15* | 102 | 101 4-5 | 101 4-5 | 101 3-5 | 105 2-5 | 104 4-5 | 104 1-5 | 103 2-5 | 103 4-5 | 103 3-5 |
| 16* | 102 2-5 | 102 3-5 | 104 | 105 4-5 | 107 2-5 | 106 2-5 | 106 | 105 1-5 | 104 4-5 | 104 1-5 |
| 17* | 102 3-5 | 102 4-5 | 104 3-5 | 106 1-5 | 106 2-5 | 106 1-5 | 106 | 105 3-5 | 105 2-5 | 104 2-5 |
| 18 | 100 | 101 | 101 1-5 | 102 1-5 | 101 2-5 | 101 1-5 | 100 | 100 | 101 3-5 | 100 |
| 19 | 101 | 101 | 101 2-5 | 101 2-5 | 101 2-5 | 101 4-5 | 100 4-5 | 101 | 101 1-5 | 101 2-5 |
| 20 | 101 3-5 | 101 4-5 | 101 2-5 | 101 3-5 | 102 | 102 1-5 | 102 | 102 2-5 | 101 1-5 | 101 |

Those marked * were found to be diseased.

## LOT NO. 5.

*Normal Temperature before Injection.*

| No. | | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. |
|---|---|---|---|---|---|
| 1 | ..... | 101 3-5 | 102 1-5 | 103 | 102 4-5 |
| 2 | ..... | 101 4-5 | 102 3-5 | 103 3-5 | 103 |
| 3 | ..... | 102 3-5 | 102 4-5 | 103 3-5 | 103 1-5 |
| 4 | ..... | 101 4-5 | 101 4-5 | 102 1-5 | 101 4-5 |
| 5 | ..... | 100 1-5 | 102 1-5 | 102 3-5 | 102 1-5 |
| 6 | ..... | 101 1-5 | 101 4-5 | 102 3-5 | 102 2-5 |
| 7 | ..... | 102 1-5 | 102 2-5 | 102 4-5 | 102 1-5 |
| 8 | ..... | 101 4-5 | 102 2-5 | 102 3-5 | 102 2-5 |
| 9 | ..... | 101 1-5 | 101 3-5 | 101 2-5 | 101 2-5 |
| 10 | ..... | 101 2-5 | 101 4-5 | 102 1-5 | 101 3-5 |
| 11 | ..... | 101 2-5 | 101 4-5 | 102 2-5 | 102 |
| 12 | ..... | 101 1-5 | 101 2-5 | 102 | 101 1-5 |
| 13 | ..... | 101 4-5 | 101 4-5 | 101 4-5 | 102 3-5 |
| 14 | ..... | 101 2-5 | 102 1-5 | 101 4-5 | 101 1-5 |
| 15 | ..... | 101 2-5 | 102 4-5 | 103 2-5 | 103 1-5 |
| 16 | ..... | 101 3-5 | 102 3-5 | 102 | 101 4-5 |
| 17 | ..... | 101 1-5 | 101 1-5 | 102 | 102 1-5 |
| 18 | ..... | 101 2-5 | 101 3-5 | 101 2-5 | 100 4-5 |
| 19 | ..... | 102 | 102 | 101 2-5 | 101 4-5 |
| 20 | ..... | 102 2-5 | 101 3-5 | 101 1-5 | 101 4-5 |
| 21 | ..... | 102 2-5 | 103 | 101 3-5 | 102 1-5 |
| 22 | ..... | 101 4-5 | 102 4-5 | 102 2-5 | 101 2-5 |
| 23 | ..... | 101 2-5 | 101 4-5 | 101 | 101 2-5 |
| 24 | ..... | 101 4-5 | 102 | 102 | 102 1-5 |
| 25 | ..... | 102 2-5 | 102 2-5 | 102 1-5 | 101 1-5 |
| 26 | ..... | 101 4-5 | 102 | 102 2-5 | 101 4-5 |

*After Injection.*

| No. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1* | 104 | 103 4-5 | 103 | 104 2-5 | 104 2-5 | 105 | 105 | 104 2-5 | 102 2-5 | 102 4-5 |
| 2* | 103 1-5 | 104 2-5 | 105 2-5 | 105 4-5 | 106 3-5 | 105 3-5 | 105 | 106 2-5 | 102 2-5 | 102 1-5 |
| 3* | 102 1-5 | 102 4-5 | 103 3-5 | 106 | 106 3-5 | 105 3-5 | 105 4-5 | 105 | 104 | 104 |
| 4 | 101 | 100 4-5 | 100 4-5 | 101 2-5 | 102 4-5 | 102 4-5 | 102 1-5 | 102 2-5 | 101 2-5 | 101 |
| 5 | 101 1-5 | 100 | 101 | 101 | 101 | 101 2-5 | 101 1-5 | 101 | 101 | 100 |
| 6* | 101 1-5 | 101 1-5 | 102 | 104 2-5 | 106 3-5 | 106 3-5 | 106 2-5 | 105 | 104 | 104 |
| 7 | 102 1-5 | 102 3-5 | 102 3-5 | 102 3-5 | 102 2-5 | 102 | 102 4-5 | 102 1-5 | 102 1-5 | 102 2-5 |
| 8* | 101 | 101 1-5 | 101 | 101 4-5 | 102 2-5 | 102 4-5 | 104 3-5 | 105 | 105 | 103 2-5 |
| 9* | 100 1-5 | 100 4-5 | 100 2-5 | 102 2-5 | 105 | 106 | 105 | 104 | 104 | 103 3-5 |
| 10* | 101 | 101 2-5 | 102 2-5 | 104 2-5 | 105 | 105 2-5 | 103 3-5 | 105 2-5 | 103 2-5 | 103 2-5 |
| 11 | 101 | 101 | 101 2-5 | 101 2-5 | 101 2-5 | 101 2-5 | 100 4-5 | 101 2 5 | 101 2-5 | 101 1-5 |
| 12* | 100 | 100 3-5 | 100 4-5 | 100 4-5 | 104 2-5 | 106 3-5 | 106 | 104 4-5 | 103 4-5 | 104 2-5 |
| 13 | 101 | 100 4-5 | 101 | 101 | 101 | 101 2-5 | 100 3-5 | 101 1-5 | 100 3-5 | 101 |
| 14 | 100 3-5 | 101 | 101 | 101 1-5 | 101 | 101 3-5 | 101 | 100 4-5 | 101 2-5 | 101 |
| 15* | 102 1-5 | 101 4-5 | 102 | 102 3-5 | 103 2-5 | 104 2-5 | 106 | 105 2-5 | 104 | 103 2-5 |
| 16 | 101 1-5 | 101 2-5 | 101 1-5 | 101 2-5 | 101 3-5 | 101 2-5 | 101 | 101 3-5 | 100 4-5 | 100 4-5 |
| 17 | 101 | 102 | 102 3-5 | 102 1-5 | 100 | 101 | 101 3-5 | 101 1-5 | 100 | 101 |
| 18 | 101 4-5 | 101 1-5 | 101 3-5 | 102 | 102 1-5 | 102 | 102 2-5 | 102 3-5 | 101 | 101 1-5 |
| 19 | 102 | 102 1-5 | 102 2-5 | 100 2-5 | 101 | 101 3-5 | 102 | 102 1-5 | 101 4-5 | 101 2-5 |
| 20 | 101 2-5 | 101 | 100 4-5 | 100 4-5 | 101 1-5 | 101 2-5 | 100 | 100 4-5 | 100 3-5 | 100 2-5 |
| 21 | 101 | 101 2-5 | 102 | 102 2-5 | 102 1-5 | 102 | 102 | 101 4-5 | 101 3-5 | 101 |
| 22 | 102 3-5 | 101 3-5 | 101 4-5 | 101 1-5 | 101 3-5 | 101 4-5 | 102 | 102 2-5 | 100 4-5 | 100 2-5 |
| 23 | 101 1-5 | 100 4-5 | 100 2-5 | 101 1-5 | 101 1-5 | 102 | 101 3-5 | 101 2-5 | 101 2-5 | 101 3-5 |
| 24 | 101 4.5 | 101 4-5 | 100 4-5 | 100 4-5 | 101 2-5 | 101 1-5 | 102 | 102 2-5 | 102 1-5 | 102 |
| 25 | 100 2-5 | 101 | 101 3-5 | 102 1-5 | 102 | 101 4-5 | 102 | 102 1-5 | 102 | 101 1-5 |
| 26 | 102 2-5 | 101 3-5 | 101 4-5 | 101 3-5 | 100 3-5 | 101 1-5 | 102 | 102 | 100 4-5 | 100 |

Those marked * were found to be diseased.

## TEST ON MR. WATSON CLARK'S CATTLE.

*Normal Temperature before Injection.*

| No. | | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. |
|---|---|---|---|---|---|
| 1 | ..... | 100 4-5 | 100 3-5 | 101 1-5 | 100 4-5 |
| 2 | ..... | 100 4-5 | 100 4-5 | 101 2-5 | 101 1-5 |
| 3 | ..... | 100 3-5 | 100 2-5 | 101 4-5 | 99 4-5 |
| 4 | ..... | 100 3-5 | 100 1-5 | 101 | 99 3-5 |
| 5 | ..... | 100 4-5 | 100 3-5 | 101 2-5 | 101 1-5 |
| 6 | ..... | 100 3-5 | 101 4-5 | 101 3-5 | 101 1-5 |
| 7 | ..... | 100 3-5 | 101 2-5 | 101 3-5 | 100 3-5 |
| 8 | ..... | 100 3-5 | 102 | 101 4-5 | 101 |
| 9 | ..... | 100 3-5 | 102 | 101 3-5 | 101 2-5 |
| 10 | ..... | 100 1-5 | 101 1-5 | 100 4-5 | 100 4-5 |
| 11 | ..... | 100 2-5 | 101 2-5 | 101 | 100 2-5 |
| 12 | ..... | 100 2-5 | 101 2-5 | 101 1-5 | 101 |
| 13 | ..... | 100 4-5 | 101 4-5 | 101 | 101 1-5 |
| 14 | ..... | 100 | 101 | 100 3-5 | 99 3-5 |
| 15 | ..... | 100 3-5 | 101 2-5 | 101 | 100 3-5 |
| 16 | ..... | 102 | 101 4-5 | 102 3-5 | 101 |
| 17 | ..... | 100 3-5 | 100 2-5 | 99 3-5 | 101 |
| 18 | ..... | 100 4-5 | 101 2-5 | 101 2-5 | 99 1-5 |

*After Injection.*

| No. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 3-5 | 100 4-5 | 101 3-5 | 101 1-5 | 101 3-5 | 101 4-5 | 102 | 101 4-5 | 101 4-5 | 105 1-5 |
| 2 | 100 | 101 1-5 | 101 3-5 | 101 1-5 | 101 3-5 | 100 1-5 | 102 1-5 | 101 2-5 | 101 | 100 2-5 |
| 3 | 100 1-5 | 100 1-5 | 101 1-5 | 99 | 100 3-5 | 99 3-5 | 100 3-5 | 100 4-5 | 100 3-5 | 100 |
| 4 | 100 3-5 | 100 2-5 | 101 | 100 3-5 | 101 3-5 | 100 1-5 | 100 4-5 | 101 2-5 | 101 | 100 4-5 |
| 5 | 100 4-5 | 100 4-5 | 101 4-5 | 101 1-5 | 101 3-5 | 101 1-5 | 101 3-5 | 101 4-5 | 101 1-5 | 100 2-5 |
| 6 | 101 | 100 4-5 | 101 | 101 | 100 4-5 | 100 1-5 | 101 | 101 2-5 | 101 1-5 | 101 |
| 7 | 101 | 100 2-5 | 101 2-5 | 100 2-5 | 101 2-5 | 100 2-5 | 100 2-5 | 100 1-5 | 100 2-5 | 100 |
| 8 | 100 3-5 | 100 4-5 | 101 1-5 | 100 3-5 | 101 | 101 1-5 | 101 3-5 | 101 3-5 | 101 1-5 | 101 |
| 9 | 100 2-5 | 101 | 101 1-5 | 101 1-5 | 101 3-5 | 101 3-5 | 101 2-5 | 101 1-5 | 101 | 101 1-5 |
| 10 | 101 1-5 | 101 | 100 4-5 | 101 | 101 | 100 1-5 | 101 2-5 | 101 1-5 | 101 | 100 3-5 |
| 11 | 101 | 100 3-5 | 101 1-5 | 101 | 101 | 100 4-5 | 101 2-5 | 101 1-5 | 101 | 100 |
| 12 | 100 4-5 | 100 | 101 | 101 1-5 | 101 2-5 | 101 3-5 | 101 3-5 | 101 2-5 | 101 | 100 2-5 |
| 13 | 101 1-5 | 101 | 101 | 101 2-5 | 101 3-5 | 101 4-5 | 102 | 102 1-5 | 101 1-5 | 100 4-5 |
| 14 | 100 2-5 | 100 4-5 | 101 | 100 3-5 | 100 2-5 | 101 1-5 | 101 | 100 | 100 1-5 | 100 1-5 |
| 15 | 101 | 101 1-5 | 100 4-5 | 101 | 101 2-5 | 100 4-5 | 102 | 100 1-5 | 102 | 100 1-5 |
| 16 | 101 | 101 1-5 | 101 3-5 | 101 1-5 | 101 | 100 4-5 | 101 1-5 | 101 4-5 | 101 1-5 | 100 3-5 |
| 17 | 100 2-5 | 100 3-5 | 101 1-5 | 100 3-5 | 101 1-5 | 100 4-5 | 100 1-5 | 100 4-5 | 101 | 100 4-5 |
| 18 | 101 | 100 2-5 | 101 1-5 | 101 2-5 | 101 1-5 | 101 3-5 | 101 2 5 | 101 2-5 | 100 1-5 | 101 1-5 |

## REPORT FOR NOVEMBER.

—o—

34, HILLSIDE AVENUE,
VICTORIA, December 1st, 1894.

*The Hon. J. H. Turner,*
*Minister of Agriculture.*

SIR,—I have the honour to submit the following report for the month of November:—

As will be seen from the accompanying results of tests made, the work accomplished during November has been by far the greatest that has been done since my appointment as Inspector. It has necessarily entailed the employment of additional assistance, but this has been done with due regard to economy. It is gratifying to report that the tuberculin tests have been most satisfactory, and the consequence is that the owners of cattle are now showing the greatest readiness and willingness to submit their stock to the requisite tests.

During the first week of the month I was engaged in inspecting the cattle belonging to the Tolmie Estate, George Deans, and Mrs. Bragg. With regard to the cattle of the last two mentioned, I was pleased to find, after a careful examination, that they were free from disease, and accordingly granted the owners a clean bill of health.

On the 9th and 10th I visited Mr. William Clark's ranch, and found two of his stock suffering from tuberculosis; these I caused to be placed in quarantine. On the 12th I inspected Mr. Finnerty's cattle, and found them in a perfectly healthy condition.

On the 14th and 15th I visited Mr. Richards' cattle, one of which was suffering from tuberculosis.

With regard to the cattle belonging to Alexander Tait, James Tait, and A. Cassanave, which I inspected, it is pleasing to have to report that they were free from infectious diseases. The same can be said of the stock belonging to John Sinclair, Sr., John Sinclair, Jr., and James Holden, all of which satisfactorily stood the tuberculin test.

On the 22nd I inspected Mr. B. Evans' cattle, and found that one of his cows was suffering from tuberculosis. After destroying the animal, I held a post-mortem examination, which established the fact that its lungs were diseased.

On the 26th and 27th I inspected the Hon. T. Davie's cows, and after having applied the tuberculin test, found them to be free from disease.

On the same date I tested the cattle belonging to James Meldram, and found them to be perfectly sound.

On the latter day I visited Mr. Alexander Stewart's cows, and finding that three of them were diseased, I caused their destruction. On the following day I held a post-mortem examination, along with Mr. S. F. Tolmie, V. S., on these animals. The result of the examination was to establish beyond a doubt that two of the animals were tuberculous, but in the third we failed to find any signs of disease. We saved, however, some specimens from the carcase, which will be submitted to further examination under the microscope.

On the 29th I caused the destruction of one of the thoroughbred cattle belonging to the Tolmie Estate. The post-mortem examination next day clearly showed that the animal's lungs were very much diseased.

On the last day of the month I was engaged in superintending the digging of a trench for the burial of the diseased stock belonging to Mr. G. McRae.

On November 15th, in company with S. F. Tolmie, V. S., I proceeded to Mr. George McRae's ranch, to hold a post-mortem examination on an Ayrshire cow about eight years old, the property of Mr. George Gawley, formerly owned by Mr. G. McRae. This cow, to outward appearance, presented no symptoms of disease, but upon examination her liver and lungs were found to be much diseased with tuberculosis.

I have, &c.,
(Signed) F. S. ROPER,
*Inspector of Animals.*

## CATTLE BELONGING TO MESSRS. DEAN BROS.

*Normal temperatures, before Injection.*

| No. | Description of Cattle. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 101 4-5 | 101 4-5 | 101 1-5 | 101 1-5 |
| 2 | " " ..... | 101 4-5 | 101 4-5 | 101 2-5 | 101 1-5 |
| 3 | Grade Holstein ..... | 102 | 102 1-5 | 102 2-5 | 102 4-5 |
| 4 | Common bred cow ..... | 101 | 101 3-5 | 101 3-5 | 101 1-5 |
| 5 | " " ..... | 102 1-5 | 102 1-5 | 102 2-5 | 102 3-5 |
| 6 | Grade Holstein ..... | 102 | 102 | 102 1-5 | 103 |
| 7 | Common bred ..... | 102 2-5 | 101 1-5 | 101 3-5 | 101 2-5 |
| 8 | Grade Jersey ..... | 102 3-5 | 102 1-5 | 102 2-5 | 102 4-5 |
| 9 | Common bred ..... | 101 2-5 | 101 2-5 | 101 2-5 | 101 2-5 |
| 10 | " ..... | 100 4-5 | 100 4-5 | 101 2-5 | 101 1-5 |
| 11 | Grade Jersey ..... | 102 | 101 4-5 | 102 2-5 | 102 |
| 12 | Muley ..... | 100 4-5 | 100 3-5 | 100 4-5 | 100 3-5 |
| 13 | Holstein ..... | 100 3-5 | 101 1-5 | 102 1-5 | 102 |
| 14 | Grade Holstein ..... | 101 2-5 | 101 2-5 | 102 | 101 2-5 |
| 15 | " ..... | 100 3-5 | 101 2-5 | 101 1-5 | 101 4-5 |
| 16 | " ..... | 102 | 102 1-5 | 102 2-5 | 101 4-5 |
| 17 | " ..... | 101 2-5 | 101 3-5 | 101 4-5 | 101 3-5 |
| 18 | " ..... | 102 2-5 | 102 1 5 | 102 4-5 | 102 2-5 |
| 19 | Common bred ..... | 100 | 100 4-5 | 100 3-5 | 100 3-5 |
| 20 | " ..... | 102 | 102 1-5 | 103 | 102 4-5 |
| 21 | " ..... | 101 | 101 3-5 | 102 3-5 | 101 2-5 |
| 22 | Grade Holstein bull ..... | 101 | 101 | 101 1-5 | 100 2-5 |
| 23 | Thoroughbred Holstein bull..... | 101 2-5 | 102 1-5 | 101 2-5 | 102 |
| 24 | ¾-Holstein bull, 10 months ..... | 101 3-5 | 101 3-5 | 101 | 101 2-5 |
| 25 | Common bred cow ..... | 101 1-5 | 100 2-5 | 100 | 100 3-5 |
| 26 | ¾-bred Jersey, two-year old ..... | 102 | 102 | 101 3-5 | 101 4-5 |

*After Injection.*

| Nos. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | (Very he | avy with | calf, not | injected. | ) | | | | | |
| 2 | 101 2-5 | 101 1-5 | 101 1-5 | 102 2-5 | 102 1-5 | 101 3-5 | 101 4 5 | 101 2-5 | 101 2-5 | 101 1-5 |
| 3 | 101 3-5 | 101 1-5 | 101 3-5 | 101 | 101 3-5 | 101 1-5 | 101 1-5 | 101 3-5 | 101 1-5 | 101 1-5 |
| 4 | 101 | 101 1-5 | 102 1-5 | 102 2-5 | 103 | 101 2-5 | 102 | 102 1-5 | 102 | 101 2-5 |
| 5 | 101 3-5 | 101 4-5 | 102 1-5 | 102 | 102 1-5 | 101 3-5 | 101 1-5 | 102 4-5 | 101 3-5 | 102-3-5 |
| 6 | 101 4-5 | 101 2-5 | 101 4-5 | 101 1-5 | 101 3-5 | 101 2-5 | 101 1-5 | 101 2-5 | 101 4-5 | 101 2-5 |
| 7 | 100 4-5 | 100 3-5 | 101 4-5 | 102 | 102 3-5 | 101 2-5 | 101 1-5 | 101 4-5 | 101 3-5 | 101 1-5 |
| 8 | 102 | 101 2-5 | 101 4-5 | 101 3-5 | 101 4-5 | 101 2-5 | 101 1-5 | 100 4-5 | 101 1-5 | 101 1-5 |
| 9 | 101 1-5 | 101 | 101 3-5 | 101 1-5 | 102 | 101 2-5 | 101 3-5 | 100 4-5 | 101 2-5 | 101 2-5 |
| 10 | 101 | 101 | 101 1-5 | 101 3-5 | 102 1-5 | 101 1-5 | 101 1-5 | 101 1-5 | 100 4-5 | 100 4-5 |
| 11 | 101 | 101 | 101 1-5 | 101 1-5 | 101 1-5 | 101 | 100 4-5 | 101 1-5 | 101 1-5 | 101 1-5 |
| 12 | 100 2-5 | 100 1-5 | 100 4-5 | 101 | 101 1-5 | 101 | 100 4-5 | 100 3-5 | 100 4-5 | 100 4-5 |
| 13 | 101 1-5 | 101 | 101 | 101 2-5 | 101 3-5 | 100 2-5 | 101 | 100 4-5 | 101 | 101 |
| 14 | 101 | 101 1-5 | 101 3-5 | 101 4-5 | 101 4-5 | 101 3-5 | 101 3-5 | 101 2-5 | 101 2-5 | 101 |
| 15 | 101 1-5 | 101 1-5 | 101 3-5 | 101 3-5 | 102 | 101 1-5 | 101 2-5 | 101 2-5 | 101 3-5 | 101 2-5 |
| 16 | 101 4-5 | 101 4-5 | 102 2-5 | 102 2-5 | 103 | 102 3-5 | 102 1-5 | 102 1-5 | 101 4-5 | 101 2-5 |
| 17 | 100 3-5 | 100 4-5 | 101 1-5 | 102 | 102 | 101 2-5 | 101 4-5 | 101 1-5 | 101 2-5 | 101 1-5 |
| 18 | (Very he | avy with | calf, not | injected. | ) | | | | | |
| 19 | 100 1-5 | 100 4-5 | 101 2-5 | 101 1-5 | 101 3-5 | 100 1-5 | 100 1-5 | 100 | 100 | 100 |
| 20 | (Recentl | y calved, | not injec | ted.) | | | | | | |
| 21 | (Very he | avy with | calf, not | injected. | ) | | | | | |
| 22 | 100 | 100 | 100 3-5 | 100 3-5 | 101 1-5 | 100 3-5 | 100 4-5 | 100 3-5 | 101 3-5 | 100 |
| 23 | 101 4-5 | 102 1-5 | 102 1-5 | 102 1-5 | 102 2-5 | 101 4-5 | 101 4-5 | 102 1-5 | 101 3-5 | 102 |
| 24 | 101 3-5 | 101 2-5 | 101 2-5 | 101 3-5 | 101 4-5 | 102 1-5 | 102 2-5 | 101 3-5 | 101 3-5 | 101 3-5 |
| 25 | 100 | 100 | 100 2-5 | 100 | 100 1-5 | 101-1-5 | 100 3-5 | 100 3-5 | 100 | 99 1-5 |
| 26 | 101 1-5 | 101 1-5 | 101 2-5 | 101 3-5 | 102 | 101 | 101 4-5 | 101 2-5 | 101 1-5 | 100 4-5 |

7th November, 1894

## MRS. WILLIAM BRAGG'S CATTLE.

*Normal Temperatures, before Injection.*

| No. | Description of Cattle. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 101 4-5 | 101 2-5 | 101 2-5 | 101 1-5 |
| 2 | " " ..... | 102 4-5 | 102 3-5 | 102 3-5 | 101 4-5 |
| 3 | " " ..... | 101 1-5 | 101 | 102 2-5 | 100 1-5 |
| 4 | " " ..... | 102 | 101 4-5 | 101 2-5 | 101 2-5 |
| 5 | " " ..... | 102 2 5 | 102 2-5 | 102 | 102 |
| 6 | " " ..... | 101 2-5 | 101 | 101 1-5 | 101 |
| 7 | " " ..... | 102 1-5 | 102 | 101 3-5 | 101 1-5 |
| 8 | " " ..... | 102 | 102 1-5 | 101 3-5 | 101 2-5 |
| 9 | " " ..... | 101 4-5 | 100 4-5 | 101 1-5 | 101 |
| 10 | " " ..... | 101 2-5 | 101 1-5 | 101 2-5 | 101 |
| 11 | " " ..... | 101 3-5 | 101 1-5 | 101 | 101 |
| 12 | " " ..... | 102 3-5 | 101 4-5 | 101 2-5 | 101 1-5 |
| 13 | " " ..... | 102 1-5 | 101 3-5 | 101 2-5 | 101 |
| 14 | " " ..... | 102 1-5 | 101 4-5 | 101 2-5 | 101 1-5 |
| 15 | " " ..... | 102 2-5 | 101 1-5 | 101 2-5 | 101 2-5 |
| 16 | Part Jersey, two-year old ..... | 102 3-5 | 102 1-5 | 101 2-5 | 101 1-5 |

MR. A. VYES' CATTLE TAKEN AT SAME TIME AS MRS. BRAGG'S.

| | | | | | |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 102 | 102 1-5 | 101 2-5 | 101 |
| 2 | " " ..... | 101 1-5 | 101 | 101 2-5 | 101 |
| 3 | Half-bred Jersey, one year old .. | 101 1-5 | 101 | 101 4-5 | 101 2-5 |
| 4 | Common bred cow ..... | 101 | 101 2-5 | 101 2-5 | 101 1-5 |

MR. G. PRIDHAM'S COW TAKEN AT SAME TIME AS MRS. BRAGG'S.

| | | | | | |
|---|---|---|---|---|---|
| 1 | Common bred ..... | 102 | 102 | 101 3-5 | 100 4-5 |

## MRS. WILLIAM BRAGG'S CATTLE.

*After Injection.*

| No. | 8 p.m. | 10 p.m. | 12 m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 102 | 101 3-5 | 101 4-5 | 101 2-5 | 100 4-5 | 101 4-5 | 101 4-5 | 101 2-5 | 101 2-5 | 101 2-5 |
| 2 | 102 3-5 | 102 4-5 | 102 2-5 | 101 4-5 | 101 1-5 | 101 3-5 | 102 | 102 | 101 4-5 | 101 2-5 |
| 3 | 101 | 99 3-5 | 99 2-5 | 100 1-5 | 100 4-5 | 101 1-5 | 101 1-5 | 101 1-5 | 101 1-5 | 101 1-5 |
| 4 | 101 2-5 | 101 2-5 | 100 3-5 | 100 3-5 | 100 3-5 | 101 4-5 | 102 2-5 | 101 4-5 | 100 1-5 | 101 |
| 5 | 102 3-5 | 103 | 102 3-5 | 102 2-5 | 101 4-5 | 102 | 101 3-5 | 101 2-5 | 101 2-5 | 101 1-5 |
| 6 | 101 | 100 2-5 | 101 1-5 | 100 4-5 | 100 2-5 | 100 4-5 | 100 4-5 | 101 1-5 | 100 4-5 | 100 3-5 |
| 7 | 101 2-5 | 101 2-5 | 100 4-5 | 100 3-5 | 101 | 101 2-5 | 101 2-5 | 101 2-5 | 101 | 101 |
| 8 | 101 | 101 2-5 | 100 1-5 | 100 2-5 | 100 3-5 | 101 | 101 2-5 | 102 1-5 | 101 2-5 | 101 1-5 |
| 9 | 101 | 100 4-5 | 100 1-5 | 100 | 100 3-5 | 101 | 101 1-5 | 100 4-5 | 100 | 101 1-5 |
| 10 | 100 4-5 | 101 | 100 3-5 | 100 3-5 | 100 3-5 | 100 2-5 | 110 4-5 | 100 4-5 | 100 3-5 | 100 4-5 |
| 11 | 101 | 101 3-5 | 101 | 101 1-5 | 101 | 101 3-5 | 101 1-5 | 100 2-5 | 101 1-5 | 101 2-5 |
| 12 | 102 | 102 | 101 4-5 | 101 1-5 | 101 1-5 | 101 | 101 3-5 | 101 3-5 | 101 1-5 | 101 1-5 |
| 13 | 102 | 101 4-5 | 101 3-5 | 101 1-5 | 101 | 100 4-5 | 101 1-5 | 101 2-5 | 100 3-5 | 101 1-5 |
| 14 | 102 2-5 | 102 3-5 | 101 3-5 | 101 2-5 | 101 1-5 | 100 4-5 | 101 1-5 | 101 1-5 | 101 2-5 | 101 3-5 |
| 15 | 102 1-5 | 102 2-5 | 101 2-5 | 100 4-5 | 100 4-5 | 101 | 101 3-5 | 101 3-5 | 101 2-5 | 101 3-5 |
| 16 | 101 1-5 | 101 | 100 3-5 | 101 | 100 4-5 | 101 | 101 2-5 | 101 | 101 4-5 | 101 4-5 |

MR. A. VYE'S CATTLE, TAKEN AT SAME TIME AS MRS. BRAGG'S.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 | 100 2-5 | 101 1-5 | 101 1-5 | 101 1-5 | 100 3-5 | 101 1-5 | 101 3-5 | 101 1-5 | 101 1-5 |
| 2 | 101 3-5 | 101 1-5 | 101 | 100 3-5 | 100 3-5 | 100 4-5 | 100 3-5 | 101 4-5 | 101 4-5 | 101 3-5 |
| 3 | 102 | 101 2-5 | 101 2-5 | 101 | 100 4-5 | 101 1-5 | 101 3-5 | 102 1-5 | 101 3-5 | 102 1-5 |
| 4 | 101 | 101 1-5 | 100 4-5 | 100 4-5 | 100 3-5 | 100 2-5 | 100 1-5 | 101 3-5 | 101 3-5 | 101 1-5 |

MR. GEORGE PRIDHAM'S COW, TAKEN AT SAME TIME AS MRS. BRAGG'S.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 103 | 102 | 101 3-5 | 101 2-5 | 101 3-5 | 101 | 101 | 101 1-5 | 100 | 100 4-5 |

9th November, 1894.

## MR. WILLIAM CLARKE'S CATTLE.

*Normal Temperature, before Injection.*

| No. | Description of Cattle. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|
| 1 | Muley ..... | 102 1-5 | 101 2-5 | 101 1-5 | 101 1-5 |
| 2 | Half Jersey ..... | 101 | 101 3-5 | 101 3-5 | 101 2-5 |
| 3 | Common bred cow ..... | 101 2-5 | 101 2-5 | 101 1-5 | 101 |
| 4 | Jersey calf, 1 year old..... | 100 4-5 | 101 2-5 | 101 2-5 | 101 1-5 |
| 5 | Common bred cow ..... | 101 2-5 | 101 4-5 | 101 4-5 | 101 2-5 |
| 6 | Half Holstein ..... ..... | 101 1-5 | 101 1-5 | 101 1-5 | 101 |
| 7 | Common bred cow ..... | 101 3-5 | 101 4-5 | 101 1-5 | 101 3-5 |
| 8 | " " ..... | 101 3-5 | 101 4-5 | 101 1-5 | 101 3-5 |
| 9 | " " ..... | 101 | 101 1-5 | 101 | 101 1 5 |
| 10 | ..... | 100 1-5 | 100 4-5 | 100 3-5 | 100 3-5 |
| 11 | Grade Shorthorn ..... | 101 2-5 | 102 | 101 4-5 | 101 2-5 |
| 12 | Common bred cow ..... | 101 2-5 | 101 4-5 | 101 3-5 | 101 2-5 |
| 13 | Thoroughbred Holstein..... | 100 2-5 | 100 3-5 | 101 | 100 4-5 |
| 14 | Common bred cow ..... | 100 4-5 | 101 | 101 2-5 | 101 1-5 |
| 15 | " " ..... | 101 2-5 | 101 2-5 | 101 1-5 | 101 2-5 |
| 16 | Grade Shorthorn ..... | 101 3-5 | 101 3-5 | 101 4-5 | 101 1-5 |
| 17 | Common bred cow ..... | 101 | 101 1-5 | 101 1-5 | 101 |
| 18 | " " ..... | 101 2-5 | 101 2-5 | 101 1-5 | 101 1-5 |
| 19 | " " ..... | 102 1-5 | 102 | 102 1-5 | 101 4-5 |
| 20 | Thoroughbred Jersey bull ... .. | 102 | 102 2-5 | 102 2-5 | 100 4-5 |
| 21 | Jersey calf, 6 months old ..... | 101 2-5 | 101 3-5 | 101 2-5 | 101 3-5 |

10th November, 1894.

## MR. WILLIAM CLARKE'S CATTLE.

*After Injection.*

| No. | 10 p.m. | 12 m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 | 100 4-5 | 100 4-5 | 100 4-5 | 101 | 101 2-5 | 100 3-5 | 101 4-5 | 101 3-5 | 101 2-5 |
| 2 | 101 | 101 1-5 | 101 | 101 | 101 2-5 | 101 2-5 | 101 2-5 | 101 1-5 | 101 1-5 | 101 2-5 |
| 3 | 100 3-5 | 100 3-5 | 100 2-5 | 100 | 100 4-5 | 101 | 101 1-5 | 100 4-5 | 101 | 101 2-5 |
| 4 | 101 2-5 | 101 1-5 | 101 | 100 4-5 | 100 4-5 | 101 1-5 | 101 | 101 1-5 | 101 2-5 | 101 3-5 |
| 5 | 101 | 100 | 100 3-5 | 100 | 100 4-5 | 101 3-5 | 101 2-5 | 100 3-5 | 101 | 101 |
| 6 | 100 4-5 | 101 | 101 | 101 | 101 1-5 | 101 2-5 | 101 | 101 2-5 | 101 2-5 | 101 3-5 |
| 7 | 101 1-5 | 100 4-5 | 100 1-5 | 100 3-5 | 101 | 101 3-5 | 101 2-5 | 101 1-5 | 101 2-5 | 101 1-5 |
| 8 | 100 2-5 | 100 4-5 | 101 | 101 | 101 3-5 | 101 3-5 | 101 2-5 | 101 | 101 1-5 | 101 2-5 |
| 9 | 101 | 100 3-5 | 100 3-5 | 100 3-5 | 101 1-5 | 101 | 100 4-5 | 101 2-5 | 101 1-5 | 101 2-5 |
| 10 | 100 | 100 | 99 3-5 | 99 4-5 | 100 2-5 | 100 4-5 | 100 3-5 | 100 4-5 | 100 4-5 | 101 |
| 11 | 101 | 100 4-5 | 100 4-5 | 101 | 101 2-5 | 101 2-5 | 100 4-5 | 101 2-5 | 101 3-5 | 101 2-5 |
| 12 | 100 4-5 | 100 4-5 | 100 2-5 | 100 3-5 | 101 1-5 | 101 2-5 | 101 1-5 | 101 1-5 | 101 2-5 | 101 3-5 |
| 13 | 100 2-5 | 100 2-5 | 102 3-5 | 105 | 105 1-5 | 105 1-5 | 105 1-5 | 104 4-5 | 104 2-5 | 103 |
| 14 | 101 | 100 4-5 | 100 4-5 | 100 4-5 | 101 | 101 | 100 4-5 | 101 1-5 | 101 1-5 | 101 2-5 |
| 15 | 101 | 100 1-5 | 100 4-5 | 101 | 101 2-5 | 100 4-5 | 101 2-5 | 101 2-5 | 101 | 101 1-5 |
| 16 | 104 3-5 | 103 1-5 | 102 3-5 | 103 1-5 | 104 1-5 | 105 | 104 | 103 3-5 | 103 2-5 | 103 |
| 17 | 100 2-5 | 100 | 100 3-5 | 100 3-5 | 101 1-5 | 101 | 100 4-5 | 100 4-5 | 101 1-5 | 101 2-5 |
| 18 | 101 | 100 4-5 | 101 1-5 | 101 1-5 | 101 4-5 | 101 3-5 | 102 1-5 | 101 3-5 | 101 4-5 | 102 |
| 19 | 102 2-5 | 100 1-5 | 100 | 101 | 101 2-5 | 101 4-5 | 101 1-5 | 101 2-5 | 101 4-5 | 101 4-5 |
| 20 | 101 | 101 | 101 | 100 4-5 | 101 3-5 | 101 3-5 | 101 3-5 | 101 2-5 | 102 2-5 | 102 |
| 21 | 102 | 101 2-5 | 101 2-5 | 101 1-5 | 101 1-5 | 101 3-5 | 101 | 101 | 101 1-5 | 102 1-5 |

12th November, 1894.

## MR. JOSEPH FINNERTY'S CATTLE.

*Normal temperatures, before Injection.*

| No. | Description of Cattle. | 8 a.m. | 10 a.m. | 12 m. | 2 p. m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 101 3-5 | 101 4-5 | 102 | 101 4-5 |
| 2 | " " ..... | 101 1-5 | 101 3-5 | 101 3-5 | 102 |
| 3 | " " ..... | 102 | 101 3-5 | 101 3-5 | 101 4-5 |
| 4 | " " ..... | 101 4-5 | 101 2-5 | 101 2-5 | 101 3-5 |
| 5 | " " ..... | 100 4-5 | 101 1-5 | 101 | 101 |
| 6 | " " ..... | 101 4-5 | 101 4-5 | 101 4-5 | 102 |
| 7 | " " ..... | 101 | 101 2-5 | 101 4-5 | 102 |
| 8 | " " ..... | 100 2-5 | 100 4-5 | 101 | 101 |
| 9 | " " ..... | 101 | 100 4-5 | 101 1-5 | 101 4-5 |
| 10 | " " ..... | 100 2-5 | 100 2-5 | 100 1-5 | 101 |
| 11 | Black bull..... | 100 2-5 | 100 3-5 | 101 | 101 |

MR. ALEX. MCDONALD'S, TAKEN AT THE SAME TIME AS MR. FINNERTY'S.

| | | | | | |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 101 4-5 | 101 4-5 | 101 2-5 | 101 2-5 |
| 2 | " " ..... | 101 4-5 | 101 1-5 | 101 1-5 | 101 2-5 |

13th November, 1894.

## MR. JOSEPH FINNERTY'S CATTLE.

*After Injection.*

| No. | 8 p.m. | 10 p.m. | 12 m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 3-5 | 101 1-5 | 100 4-5 | 100 2-5 | 100 4-5 | 100 4-5 | 101 2-5 | 101 1-5 | 101 3-5 | 101 2-5 |
| 2 | 101 2 5 | 100 3-5 | 100 | 99 4-5 | 100 | 99 4-5 | 101 1-5 | 101 3-5 | 101 4-5 | 101 3-5 |
| 3 | 102 | 101 3-5 | 101 2-5 | 101 | 101 | 101 | 101 2-5 | 101 2-5 | 101 4 5 | 101 3-5 |
| 4 | 101 1-5 | 101 1-5 | 100 2-5 | 100 3-5 | 100 | 100 | 100 4-5 | 101 | 101 1-5 | 101 1-5 |
| 5 | 100 2-5 | 100 4-5 | 100 4-5 | 100 | 100 1-5 | 100 | 100 2-5 | 101 | 100 2-5 | 100 2-5 |
| 6 | 101 3-5 | 101 3-5 | 101 3-5 | 101 3-5 | 101 | 101 4-5 | 101 3-5 | 102 | 101 3-5 | 101 4-5 |
| 7 | 101 | 100 4-5 | 99 4-5 | 99 2-5 | 99 1-5 | 100 | 100 3-5 | 101 | 101 2-5 | 101 |
| 8 | 100 1-5 | 100 | 99 4-5 | 100 1-5 | 100 | 99 3-5 | 100 4-5 | 100 4-5 | 100 3-5 | 100 2-5 |
| 9 | 100 3-5 | 100 2-5 | 100 | 100 | 99 3-5 | 99 4-5 | 100 1-5 | 100 3-5 | 101 | 100 4-5 |
| 10 | 100 | 99 4-5 | 99 3-5 | 100 1-5 | 99 3-5 | 99 3-5 | 100 3-5 | 100 4-5 | 101 | 101 |
| 11 | 101 | 100 1-5 | 100 2-5 | 100 | 99 3-5 | 99 2-5 | 100 1-5 | 99 4-5 | 100 3-5 | 100 2-5 |

MR. ALEX. MCDONALD'S COW, TAKEN AT THE SAME TIME AS MR. FINNERTY'S.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 102 | 101 4-5 | 101 3-5 | 101 1-5 | 101 3-5 | 101 1-5 | 101 1-5 | 101 1-5 | 101 2-5 | 101 1-5 |
| 2 | 102 | 102 | 101 3-5 | 101 1-5 | 101 1-5 | 100 4-5 | 100 4-5 | 101 2-5 | 101 1-5 | 101 |

## MR. JAMES RICHARDS' CATTLE.

*Normal temperature, before Injection.*

| No. | Description of Cattle. | 6 p.m. | 8 p.m. | 10 p.m. | 12 p.m. |
|---|---|---|---|---|---|
| 1 | Common bred cow .... ..... | 100 3-5 | 100 | 100 2-5 | 100 2-5 |
| 2 | " " ..... | 100 2-5 | 101 | 100 3-5 | 100 1-5 |
| 3 | " " ..... | 101 1-5 | 100 4-5 | 100 4-5 | 101 |
| 4 | " " ..... | 101 | 100 4-5 | 101 2-5 | 101 |
| 5 | " " ..... | 102 | 102 2-5 | 101 1-5 | 101 2-5 |
| 6 | " " ..... ..... | 101 | 101 | 101 | 101 |
| 7 | " " ..... | 101 3-5 | 101 2-5 | 101 2-5 | 101 2-5 |
| 8 | " " ..... | 101 1-5 | 101 1-5 | 101 4-5 | 101 2-5 |
| 9 | " " ..... | 102 | 101 4-5 | 100 4-5 | 101 1-5 |
| 10 | " " ..... | 101 3-5 | 101 1-5 | 100 3-5 | 101 |
| 11 | " " ..... | 102 | 101 2-5 | 102 | 101 2-5 |
| 12 | " " ..... | 101 | 100 4-5 | 101 | 100 4-5 |
| 13 | " " ..... | 101 1-5 | 100 4-5 | 100 4-5 | 100 4-5 |
| 14 | " " ..... | 101 | 100 2-5 | 100 4-5 | 100 3-5 |
| 15 | " " ..... | 101 1-5 | 100 4-5 | 100 4-5 | 100 4-5 |
| 16 | " " ..... | 101 1-5 | 101 1-5 | 102 | 102 |
| 17 | " " ..... ..... | 102 2-5 | 102 3-5 | 102 3-5 | 102 2-5 |
| 18 | " " ..... | 101 3-5 | 101 3-5 | 101 4-5 | 102 |
| 19 | " " ..... | 101 3-5 | 101 3-5 | 101 3-5 | 101 4-5 |
| 20 | " " ..... | 100 4-5 | 100 4-5 | 101 2-5 | 101 |
| 21 | " " ..... | 101 3-5 | 101 | 101 3-5 | 100 |
| 22 | " " ..... | 101 2-5 | 101 3-5 | 102 | 100 1-5 |
| 23 | " " ..... | 101 | 101 | 101 | 101 1-5 |
| 24 | " " ..... | 101 3-5 | 101 3-5 | 102 3-5 | 102 1-5 |
| 25 | " " ..... | 101 4-5 | 101 1-5 | 101 3-5 | 101 4-5 |
| 26 | " " ..... | 101 4-5 | 100 4-5 | 100 | 100 4-5 |
| 27 | " " ..... | 101 4-5 | 101 3-5 | 101 3-5 | 101 2-5 |
| 28 | " " ..... ..... | 101 4-5 | 102 1-5 | 101 4-5 | 101 4-5 |
| 29 | " " ..... | 101 4-5 | 101 4-5 | 101 4-5 | 101 3-5 |

November 14th, 1894.

## MR. JAMES RICHARDS' CATTLE.

*After Injection.*

| No. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | 12 p.m. | 2 a.m. | 4 a.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 2-5 | 101 1-5 | 101 | 101 | 100 1-5 | 100 2-5 | 100 | 100 1-5 | 100 | 99 4-5 |
| 2 | 101 3-5 | 101 3-5 | 101 2-5 | 101 | 100 3-5 | 100 1-5 | 100 1-5 | 100 | 100 | 100 1-5 |
| 3 | 101 2-5 | 101 2-5 | 101 | 101 1-5 | 100 4-5 | 99 4-5 | 100 | 100 | 100 | 100 3-5 |
| 4 | 101 2-5 | 101 2-5 | 101 4-5 | 101 2-5 | 101 2-5 | 100 2-5 | 101 | 100 4-5 | 100 4-5 | 100 4-5 |
| 5 | 102 | 101 2-5 | 101 4-5 | 101 2-5 | 101 4-5 | 101 | 101 | 100 3-5 | 100 | 100 4-5 |
| 6 | 102 3-5 | 102 3-5 | 102 2-5 | 102 | 101 2-5 | 100 2-5 | 100 1-5 | 100 | 100 2-5 | 100 |
| 7 | 101 4-5 | 101 2 5 | 101 3-5 | 100 4-5 | 101 3-5 | 100 4-5 | 100 3-5 | 100 | 100 | 100 3-5 |
| 8 | 102 3-5 | 102 2-5 | 102 4-5 | 102 2-5 | 102 3-5 | 102 3 5 | 102 4-5 | 101 1-5 | 101 4-5 | 101 |
| 9 | 104 | 104 2-5 | 106 3-5 | 106 1-5 | 105 | 103 2-5 | 102 1-5 | 102 1-5 | 101 1-5 | 100 3-5 |
| 10 | 101 2-5 | 101 2-5 | 101 3-5 | 101 3-5 | 101 2 5 | 101 3-5 | 100 4-5 | 101 | 100 3-5 | 100 4-5 |
| 11* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 12 | 101 2-5 | 101 4-5 | 101 2-5 | 101 | 101 | 101 | 100 2-5 | 100 2-5 | 100 3-5 | 100 3-5 |
| 13 | 101 3-5 | 101 3-5 | 101 4-5 | 101 3-5 | 101 1-5 | 101 | 100 3-5 | 101 | 100 3-5 | 100 3-5 |
| 14 | 101 4-5 | 101 4-5 | 101 4-5 | 101 3-5 | 100 3-5 | 100 | 100 1 5 | 100 | 100 1-5 | 100 |
| 15 | 101 4-5 | 101 4-5 | 101 4-5 | 101 4-5 | 101 3-5 | 100 2-5 | 100 4-5 | 100 2-5 | 100 | 100 4-5 |
| 16 | 101 2-5 | 101 1-5 | 102 | 101 2-5 | 101 3-5 | 101 1-5 | 101 | 101 1-5 | 101 | 101 |
| 17* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 18 | 102 3-5 | 102 3-5 | 102 4-5 | 102 4-5 | 102 4-5 | 102 2-5 | 102 3 5 | 102 4-5 | 102 1-5 | 102 4-5 |
| 19 | 101 4-5 | 101 4-5 | 102 | 102 1-5 | 102 4-5 | 102 3-5 | 102 4-5 | 101 4-5 | 101 2-5 | 100 4-5 |
| 20 | 102 3-5 | 102 | 102 2-5 | 102 | 101 2-5 | 100 2-5 | 100 3-5 | 100 4-5 | 100 2-5 | 100 2-5 |
| 21 | 101 4-5 | 101 4-5 | 102 1-5 | 101 2-5 | 101 3-5 | 100 4-5 | 100 3-5 | 101 1-5 | 101 | 100 2-5 |
| 22 | 102 4-5 | 102 2-5 | 102 3-5 | 102 | 101 4-5 | 101 | 101 1-5 | 101 | 101 | 101 |
| 23 | 101 4-5 | 101 4-5 | 101 4-5 | 101 3-5 | 101 | 101 1-5 | 100 3-5 | 100 1-5 | 100 3-5 | 100 3-5 |
| 24* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | 101 4-5 | 101 3-5 | 101 4-5 | 101 2-5 | 101 | 101 3-5 | 101 2-5 | 101 3-5 | 101 2-5 | 101 |
| 26 | 102 | 102 2-5 | 102 2-5 | 101 1-5 | 101 3-5 | 100 4-5 | 101 3-5 | 101 3-5 | 101 3-5 | 100 4-5 |
| 27 | 101 4-5 | 102 | 101 4-5 | 102 1-5 | 100 | 100 4-5 | 101 3-5 | 101 | 101 | 100 4-5 |
| 28 | 102 | 102 | 101 3-5 | 101 4-5 | 101 2-5 | 101 2-5 | 101 2-5 | 101 2-5 | 101 | 100 4-5 |
| 29 | 102 | 101 4-5 | 102 3-5 | 101 4-5 | 100 3-5 | 102 | 101 1-5 | 101 1-5 | 101 1-5 | 101 |

* Heavy with calf; not injected.

November 16th, 1894

## MR. ALEXANDER TAIT'S CATTLE.

*Normal Temperature, before Injection.*

| Nos. | Description of Cattle. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 101 3-5 | 101 3-5 | 101 2-5 | 101 1-5 |
| 2 | " " ..... | 101 1-5 | 101 1-5 | 100 4-5 | 101 2-5 |
| 3 | " " ..... | 102 2-5 | 102 | 101 2-5 | 101 3-5 |
| 4 | " " ..... | 101 | 101 | 101 | 101 1-5 |
| 5 | " " ..... | 102 | 101 3-5 | 101 1-5 | 101 3-5 |
| 6 | " " ..... | 101 3-5 | 101 4-5 | 101 2-5 | 101 3-5 |
| 7 | Black Holstein..... | 101 4-5 | 101 1-5 | 101 2-5 | 101 1-5 |
| 8 | Common bred cow ..... | 101 4-5 | 101 4-5 | 101 4-5 | 102 |
| 9 | " " ..... | 102 | 101 1-5 | 101 2-5 | 101 4-5 |
| 10 | " " ..... | 101 4-5 | 101 3-5 | 101 1-5 | 101 4-5 |
| 11 | Bull ..... | 101 2-5 | 101 1-5 | 101 1-5 | 101 2-5 |
| 12 | Half Holstein..... | 101 1-5 | 101 1-5 | 101 2-5 | 102 |
| 13 | Common bred cow ..... | 100 3-5 | 101 2-5 | 101 2-5 | 100 4-5 |
| 14 | " " ..... | 100 3-5 | 101 2-5 | 101 2-5 | 101 1-5 |
| 15 | " " ..... | 100 3-5 | 101 4-5 | 101 | 101 2-5 |
| 16 | " " ..... | 101 3-5 | 101 2-5 | 101 1-5 | 101 1-5 |
| 17 | " " ..... | 102 | 102 | 102 | 102 |
| 18 | " " ..... | 102 | 101 3-5 | 101 3-5 | 102 1-5 |
| 19 | Calf, 8 months old ..... | 102 3-5 | 102 2-5 | 102 1-5 | 102 1-5 |
| 20 | Common bred cow ..... | 102 | 102 2-5 | 101 4-5 | 102 1-5 |

November 17th, 1894.

## MR. ALEXANDER TAIT'S CATTLE.

*After Injection.*

| No. | 10 p.m. | 12 p.m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 4-5 | 100 1-5 | 101 1-5 | 100 4-5 | 100 3-5 | 101 2-5 | 101 2-5 | 101 2-5 | 101 | 101 3-5 |
| 2 | 100 3-5 | 101 | 100 4-5 | 100 3-5 | 100 2-5 | 101 1-5 | 101 4-5 | 101 | 101 | 101 2-5 |
| 3 | 101 3-5 | 101 2-5 | 101 1-5 | 101 | 101 2-5 | 101 1-5 | 101 | 100 2-5 | 101 1-5 | 101 4-5 |
| 4 | 100 2-5 | 100 4-5 | 100 4-5 | 100 3-5 | 100 2-5 | 101 | 100 4-5 | 100 1-5 | 101 1-5 | 101 4-5 |
| 5 | 100 4-5 | 101 2-5 | 101 1-5 | 101 | 101 3-5 | 101 2-5 | 101 | 101 | 100 2-5 | 101 2-5 |
| 6 | 100 4-5 | 100 4-5 | 100 3-5 | 100 4-5 | 101 1-5 | 101 2-5 | 101 | 100 | 101 2-5 | 101 2-5 |
| 7 | 100 | 100 2-5 | 100 4-5 | 100 3-5 | 101 | 101 | 100 | 100 | 101 1-5 | 101 1-5 |
| 8 | 100 4-5 | 100 4-5 | 100 4 5 | 100 | 101 | 101 4-5 | 102 | 101 4-5 | 101 4-5 | 102 |
| 9 | 100 4-5 | 101 | 101 1-5 | 100 2-5 | 101 | 101 | 101 | 100 3-5 | 101 | 101 1-5 |
| 10 | 101 3-5 | 101 4-5 | 101 2-5 | 101 2 5 | 101 3-5 | 101 3-5 | 101 1-5 | 101 3-5 | 101 4-5 | 102 |
| 11 | 100 4-5 | 100 3-5 | 100 1-5 | 100 2-5 | 100 4-5 | 101 | 101 | 101 | 101 1-5 | 101 1-5 |
| 12 | 101 1-5 | 102 | 101 2-5 | 100 3-5 | 101 1-5 | 101 2-5 | 101 | 101 1-5 | 101 2-5 | 102 |
| 13 | 100 4-5 | 100 4-5 | 101 | 101 1-5 | 101 2-5 | 100 3-5 | 100 | 100 3-5 | 101 1-5 | 101 2-5 |
| 14 | 100 4-5 | 100 4-5 | 100 4-5 | 101 1-5 | 101 1-5 | 101 3-5 | 101 | 100 4-5 | 101 | 101 2-5 |
| 15 | 100 | 100 2-5 | 100 2-5 | 100 1-5 | 101 | 101 1-5 | 100 4-5 | 100 2-5 | 101 2-5 | 102 |
| 16 | 100 1-5 | 100 4-5 | 101 1-5 | 101 | 100 | 101 | 101 | 101 | 101 4-5 | 101 1-5 |
| 17 | 101 1-5 | 101 | 101 | 100 1-5 | 100 4-5 | 101 1-5 | 101 | 100 4-5 | 101 | 100 3-5 |
| 18 | 101 3-5 | 101 4-5 | 101 | 100 4-5 | 100 | 101 | 102 1-5 | 100 2-5 | 102 1-5 | 102 |
| 19 | 102 1-5 | 101 4-5 | 101 4-5 | 101 3-5 | 101 3-5 | 102 | 101 | 101 1-5 | 100 3-5 | 101 2-5 |
| 20 | 101 4-5 | 102 | 101 3-5 | 101 1-5 | 101 1-5 | 101 2-5 | 101 | 101 | 101 4-5 | 101 4-5 |

November 19th, 1894.

## MR. JAMES TAIT'S CATTLE.

*Normal Temperature, before Injection.*

| No. | Description of Cattle. | 2 p. m. | 4 p. m. | 6 p. m. | 8 p. m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 101 1-5 | 101 3-5 | 101 3-5 | 101 3-5 |
| 2 | " " ..... | 101 2-5 | 102 | 102 | 102 1-5 |
| 3 | " " ..... | 100 1-5 | 101 1-5 | 101 | 100 4-5 |
| 4 | " " ..... | 100 3-5 | 100 4-5 | 100 4-5 | 100 |
| 5 | " " ..... | 101 1-5 | 101 4-5 | 102 | 102 1-5 |
| 6 | " " ..... | 102 3-5 | 103 1-5 | 102 4-5 | 103 |
| 7 | " " ..... | 100 4-5 | 100 3-5 | 100 4-5 | 100 4-5 |
| 8 | " " ..... | 101 2-5 | 101 2-5 | 101 2-5 | 101 1-5 |
| 9 | " " ..... | 101 4-5 | 101 1-5 | 101 1-5 | 101 |
| 10 | " " ..... | 101 1-5 | 101 2-5 | 101 3-5 | 102 |
| 11 | " " ..... | 100 2-5 | 100 3-5 | 100 3-5 | 100 4-5 |
| 12 | " " ..... | 101 2-5 | 101 4-5 | 102 1-5 | 102 1-5 |
| 13 | " " ..... | 102 | 101 4-5 | 101 4-5 | 102 2-5 |

November 20th, 1894.

## MR. JAMES TAIT'S CATTLE.

*After Injection.*

| No. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 2-5 | 101 1-5 | 101 1-5 | 101 | 100 4-5 | 101 1-5 | 101 1-5 | 101 2-5 | 101 1-5 | 101 |
| 2 | 100 4-5 | 101 1-5 | 101 | 101 1-5 | 101 1-5 | 101 1-5 | 101 | 101 3-5 | 102 | 101 4-5 |
| 3 | 100 3-5 | 101 3-5 | 100 4-5 | 101 | 100 2-5 | 100 4-5 | 100 2-5 | 100 4-5 | 100 3-5 | 100 2-5 |
| 4 | 100 2-5 | 101 | 100 4-5 | 101 | 100 4-5 | 101 1-5 | 101 | 101 2-5 | 101 | 101 |
| 5 | 101 1-5 | 101 2-5 | 101 2-5 | 101 3-5 | 101 2-5 | 101 2-5 | 100 4-5 | 102 1-5 | 101 3-5 | 101 2-5 |
| 6 | 102 1-5 | 101 4-5 | 101 3-5 | 102 | 102 | 101 1-5 | 101 1-5 | 101 4-5 | 101 3-5 | 101 1-5 |
| 7 | 100 1-5 | 100 3-5 | 100 2-5 | 100 3-5 | 100 2-5 | 100 4-5 | 100 4-5 | 101 | 101 | 101 |
| 8 | 100 1-5 | 101 1-5 | 101 3-5 | 101 1-5 | 101 | 101 1-5 | 100 | 101 3-5 | 101 | 100 4-5 |
| 9 | 100 3-5 | 100 4-5 | 101 2-5 | 101 1-5 | 100 4-5 | 101 1-5 | 101 | 101 1-5 | 101 3-5 | 101 |
| 10 | 100 1-5 | 101 2-5 | 101 1-5 | 101 1-5 | 101 1-5 | 101 1-5 | 101 1-5 | 101 1-5 | 101 3-5 | 101 4-5 |
| 11 | 100 2-5 | 101 2-5 | 101 1-5 | 100 | 100 2-5 | 100 2-5 | 100 1-5 | 101 1-5 | 100 2-5 | 100 1-5 |
| 12 | 101 4-5 | 101 2-5 | 101 1-5 | 101 2-5 | 101 1-5 | 102 | 102 | 102 | 102 | 101 4-5 |
| 13 | 101 2-5 | 101 | 100 2-5 | 100 4-5 | 101 1-5 | 101 | 100 4-5 | 101 1-5 | 100 3-5 | 100 3-5 |

November 19th, 1894.

## MR. A. CASSANAVE'S CATTLE.

*Normal Temperature, before Injection.*

| No. | Description of Cattle. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. |
|---|---|---|---|---|---|
| 1 | Grade Durham ..... | 102 3-5 | 102 3-5 | 102 1-5 | 102 3-5 |
| 2 | Common bred cow ..... | 101 4-5 | 101 4-5 | 102 2-5 | 101 3-5 |
| 3 | " " ..... | 102 1-5 | 102 1-5 | 101 3-5 | 101 2-5 |
| 4 | " " ..... | 102 3-5 | 102 2-5 | 102 1-5 | 102 2-5 |
| 5 | " " ..... | 101 2-5 | 101 2-5 | 101 2-5 | 100 3-5 |
| 6 | " " ..... | 102 1-5 | 101 3-5 | 101 2-5 | 101 2-5 |
| 7 | " " ..... | 102 2-5 | 102 1-5 | 101 3-5 | 101 2-5 |
| 8 | " " ..... | 101 3-5 | 100 4-5 | 100 4-5 | 100 4-5 |
| 9 | Black Holstein ..... | 101 3-5 | 101 3-5 | 102 1-5 | 101 4-5 |
| 10 | 2-year-old heifer ..... ..... | 101 2-5 | 101 1-5 | 101 2-5 | 101 2-5 |
| 11 | " " ..... | 101 3-5 | 101 3-5 | 102 | 101 3-5 |
| 12 | Calf, part Holstein ..... | 102 3-5 | 102 2-5 | 102 2-5 | 102 2-5 |
| 13 | Holstein calf ..... | 102 1-5 | 102 1-5 | 102 3-5 | 102 |
| 14 | Common bred calf ..... | 102 2-5 | 102 | 102 1-5 | 102 |
| 15 | " " ..... | 102 | 102 2-5 | 102 2-5 | 102 1-5 |
| 16 | Holstein bull ..... | 102 | 101 3-5 | 102 1-5 | 102 |

November 20th, 1894.

## MR. A. CASSANAVE'S CATTLE.

*After Injection.*

| No. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. | 6 p.m. | 8 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 4-5 | 101 3-5 | 101 1-5 | 101 2-5 | 101 2-5 | 101 4-5 | 101 2-5 | 102 | 101 2-5 | 101 |
| 2 | 100 3-5 | 101 3-5 | 101 1-5 | 101 2-5 | 101 2-5 | 101 1-5 | 100 3-5 | 101 | 102 2-5 | 102 |
| 3 | 100 4-5 | 100 3-5 | 100 3-5 | 100 2-5 | 101 4-5 | 101 4-5 | 101 | 100 4-5 | 101 4-5 | 101 4-5 |
| 4 | 102 | 101 4-5 | 101 2-5 | 102 | 101 2-5 | 102 | 100 4-5 | 101 2-5 | 101 3-5 | 101 3-5 |
| 5 | 100 2-5 | 100 3-5 | 100 2-5 | 101 2-5 | 101 1-5 | 100 2-5 | 100 4-5 | 100 2-5 | 101 | 101 |
| 6 | 101 1-5 | 101 1-5 | 100 4-5 | 101 3-5 | 101 2-5 | 101 1-5 | 101 | 101 1-5 | 101 1-5 | 101 |
| 7 | 101 | 101 | 101 | 102 | 101 4-5 | 101 4-5 | 101 3-5 | 101 1-5 | 99 | 100 |
| 8 | 100 2-5 | 100 1-5 | 100 3-5 | 101 2-5 | 100 4-5 | 100 4-5 | 101 | 100 4-5 | 100 3-5 | 100 2-5 |
| 9 | 101 2-5 | 101 2-5 | 101 | 101 3-5 | 101 3-5 | 101 3-5 | 101 3-5 | 101 1-5 | 102 | 102 |
| 10 | 100 1-5 | 100 3-5 | 101 | 100 4-5 | 100 3-5 | 101 | 100 1-5 | 101 | 101 1-5 | 101 |
| 11 | 101 | 100 3-5 | 100 3-5 | 101 1-5 | 101 1-5 | 101 3-5 | 101 2-5 | 101 2-5 | 101 1-5 | 101 |
| 12 | 101 1-5 | 101 2-5 | 101 3-5 | 102 1-5 | 102 | 101 3-5 | 102 | 102 2-5 | 102 | 102 |
| 13 | 101 3-5 | 101 2-5 | 101 2-5 | 102 1-5 | 102 1-5 | 101 3-5 | 102 | 102 4-5 | 102 2-5 | 102 |
| 14 | 101 3-5 | 100 2-5 | 101 | 102 | 102 1-5 | 101 2-5 | 102 | 102 4-5 | 102 2-5 | 102 1-5 |
| 15 | 101 1-5 | 101 2-5 | 101 3-5 | 102 2-5 | 102 2-5 | 102 | 102 | 102 | 102 | 102 |
| 16* | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

*Dangerous. Too vicious to handle.

November 21st, 1894.

## MR. JOHN SINCLAIR'S CATTLE.

*Normal Temperature, before Injection.*

| No. | | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 101 4-5 | 101 3-5 | 101 4-5 | 102 |
| 2 | " " ..... | 102 | 102 2-5 | 102 1-5 | 102 |
| 3 | " " ..... | 101 3-5 | 101 4-5 | 101 4-5 | 102 |
| 4 | " " ..... | 101 4-5 | 102 3-5 | 102 3-5 | 102 |
| 5 | " " ..... | 101 3-5 | 102 4-5 | 101 3-5 | 101 |
| 6 | Grade Holstein ..... | 101 3-5 | 102 1-5 | 102 | 102 1-5 |
| 7 | " ..... | 102 1-5 | 102 | 102 1-5 | 100 3-5 |
| 8 | Common bred cow ..... | 101 2-5 | 101 2-5 | 101 3-5 | 101 1-5 |
| 9 | " " ..... | 101 4-5 | 101 4-5 | 101 3-5 | 101 3-5 |
| 10 | " " ..... | 101 3-5 | 101 1-5 | 101 3-5 | 100 |
| 11 | " " ..... | 101 1-5 | 101 | 101 3-5 | 100 4-5 |
| 12 | " " ..... | 101 4-5 | 101 3-5 | 101 4-5 | 101 4-5 |
| 13 | " " ..... | 101 3-5 | 101 4-5 | 102 | 102 |
| 14 | " " ..... | 101 4-5 | 101 4-5 | 101 4-5 | 101 4-5 |
| 15 | " " ..... | 102 | 102 | 102 | 102 |
| 16 | " " ..... | 101 3-5 | 101 4-5 | 101 4-5 | 101 1-5 |
| 17 | " " ..... | 101 3-5 | 101 3-5 | 102 | 101 4-5 |
| 18 | " " ..... | 101 2-5 | 101 2-5 | 101 3-5 | 101 3-5 |
| 19 | " " ..... | 101 4-5 | 101 3-5 | 101 4-5 | 101 2-5 |
| 20 | " " ..... | 102 | 101 4-5 | 101 4-5 | 102 |
| 21 | " " ..... | 102 | 102 | 102 | 102 |

November 22nd, 1894.

## MR. JOHN SINCLAIR'S CATTLE.

*After Injection.*

| No. | 10 p.m. | 12 p.m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 | 101 | 100 3-5 | 101 | 101 1-5 | 101 1-5 | 101 2-5 | 101 2-5 | 100 4-5 | 101 |
| 2 | 101 4-5 | 102 | 101 1-5 | 101 1-5 | 101 3-5 | 101 3-5 | 101 2-5 | 101 4-5 | 101 2-5 | 101 4-5 |
| 3 | 100 4-5 | 100 3-5 | 100 | 100 | 101 3-5 | 101 2-5 | 101 1-5 | 101 3-5 | 101 2-5 | 101 |
| 4 | 102 | 102 1-5 | 101 2-5 | 101 3-5 | 101 3-5 | 101 3-5 | 102 1-5 | 101 3-5 | 101 1-5 | 102 |
| 5 | 100 4-5 | 100 4-5 | 100 4-5 | 100 4-5 | 101 | 101 | 101 1-5 | 101 1-5 | 101 | 101 1-5 |
| 6 | 101 3-5 | 101 3-5 | 101 3-5 | 101 2-5 | 101 2-5 | 101 2-5 | 101 3-5 | 101 2-5 | 101 1-5 | 101 3-5 |
| 7 | 102 | 101 3-5 | 101 2-5 | 101 3-5 | 101 4-5 | 101 3-5 | 101 4-5 | 101 4-5 | 100 3-5 | 101 1-5 |
| 8 | 102 3-5 | 102 3-5 | 101 1-5 | 101 3-5 | 101 | 101 | 101 2-5 | 100 4-5 | 101 | 101 |
| 9 | 101 2-5 | 101 2-5 | 101 2-5 | 101 3-5 | 101 3-5 | 101 | 101 3-5 | 101 1-5 | 101 | 101 1-5 |
| 10 | 101 | 101 | 101 1-5 | 101 1-5 | 101 1-5 | 101 3-5 | 101 2-5 | 101 1-5 | 101 2-5 | 101 3-5 |
| 11 | 100 3-5 | 100 3-5 | 100 2-5 | 100 1-5 | 100 1-5 | 101 1-5 | 101 2-5 | 101 2-5 | 101 | 101 |
| 12 | 101 2-5 | 101 3-5 | 101 2-5 | 102 | 101 3-5 | 101 3-5 | 101 2-5 | 101 2-5 | 101 | 101 2-5 |
| 13 | 101 3-5 | 101 2-5 | 101 2-5 | 101 1-5 | 101 1-5 | 102 | 102 4-5 | 103 | 102 2-5 | 102 1-5 |
| 14 | 101 4-5 | 102 | 102 | 102 | 102 | 101 4-5 | 102 | 101 2-5 | 101 1-5 | 101 3-5 |
| 15 | 101 2-5 | 101 | 101 2-5 | 101 2-5 | 101 2-5 | 101 2-5 | 101 2-5 | 101 | 101 4-5 | 101 |
| 16 | 101 4-5 | 102 | 102 1-5 | 102 | 102 | 102 2-5 | 102 3-5 | 102 1-5 | 101 2-5 | 101 3-5 |
| 17 | 101 2-5 | 101 | 100 2-5 | 100 2-5 | 100 1-5 | 101 1-5 | 102 | 101 4-5 | 102 | 102 1-5 |
| 18 | 101 | 100 1-5 | 100 1-5 | 100 2-5 | 100 | 101 | 101 3-5 | 101 4-5 | 101 2-5 | 101 2-5 |
| 19 | 101 4-5 | 100 2-5 | 101 | 100 3-5 | 100 4-5 | 101 2-5 | 102 | 101 | 101 1-5 | 102 |
| 20 | 100 4-5 | 100 4-5 | 100 2-5 | 101 | 100 4-5 | 101 2-5 | 101 2-5 | 101 1-5 | 101 2-5 | 101 4-5 |
| 21 | 101 3-5 | 101 2-5 | 101 1-5 | 101 | 100 4-5 | 101 4-5 | 101 2-5 | 101 2-5 | 101 | 101 4-5 |

23rd November, 1894.

## MR. JOHN SINCLAIR'S, JR., CATTLE.

*Normal Temperature before Injection.*

| No. | Description of Cattle. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 101 2-5 | 101 3-5 | 101 4-5 | 101 3-5 |
| 2 | " " ..... | 101 1-5 | 101 4-5 | 101 3-5 | 101 3-5 |
| 3 | " " ..... | 101 2-5 | 101 | 101 2-5 | 101 1-5 |
| 4 | " " ..... | 101 | 101 3-5 | 101 3-5 | 101 2-5 |
| 5 | " " ..... | 101 3-5 | 102 | 101 3-5 | 101 3-5 |
| 6 | " " ..... | 101 2-5 | 101 3-5 | 101 3-5 | 101 2-5 |

November 23rd, 1894.

## JAMES HOLDEN'S CATTLE.

*Normal Temperature before Injection.*

| No. | Description of Cattle. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 102 | 102 1-5 | 102 | 102 |
| 2 | " " ..... | 102 | 102 | 101 3-5 | 101 2-5 |
| 3 | " " ..... | 102 3-5 | 102 1-5 | 101 3-5 | 101 2-5 |
| 4 | " " ..... | 101 3-5 | 101 3-5 | 101 | 101 2-5 |
| 5 | " " ..... | 102 3-5 | 102 | 102 1-5 | 101 3-5 |

November 23rd, 1894.

## MR. BENJ. EVANS' CATTLE.

*Normal Temperature before Injection.*

| No. | Description of Cattle. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|
| 1 | Grade Shorthorn..... ..... | 101 2-5 | 101 3-5 | 101 3-5 | 101 3-5 |
| 2 | " ..... | 101 2-5 | 101 2-5 | 101 3-5 | 101 3-5 |
| 3 | " ..... | 101 3-5 | 101 3-5 | 101 1-5 | 101 1-5 |
| 4 | " ..... | 102 | 102 4-5 | 102 | 101 4-5 |
| 5 | " ..... | 101 3-5 | 101 3-5 | 101 3-5 | 101 2-5 |
| 6 | " ..... | 101 3-5 | 101 1-5 | 101 | 101 2-5 |
| 7 | " ..... | 102 | 102 2-5 | 102 3-5 | 102 2-5 |
| 8 | " ..... ..... | 101 4-5 | 102 | 101 3-5 | 101 3-5 |
| 9 | " ..... | 101 3-5 | 101 3-5 | 101 2-5 | 102 1-5 |

November 24th, 1894.

## MR. JOHN SINCLAIR'S, JR., CATTLE.

*After Injection.*

| No. | 8 p.m. | 10 p.m. | 12 p.m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 2-5 | 100 3-5 | 101 | 100 2-5 | 100 2-5 | 101 1-5 | 101 1-5 | 101 2-5 | 101 4-5 | 101 3-5 |
| 2 | 100 4-5 | 100 3-5 | 100 1-5 | 100 1-5 | 100 3-5 | 101 1-5 | 101 1-5 | 101 4-5 | 101 4-5 | 101 3-5 |
| 3 | 100 2-5 | 100 3-5 | 100 1-5 | 100 2-5 | 100 2-5 | 101 1-5 | 101 | 101 2-5 | 101 2-5 | 101 |
| 4 | 100 3-5 | 100 2-5 | 100 1-5 | 99 2-5 | 100 1-5 | 100 4-5 | 100 3-5 | 101 3-5 | 101 3-5 | 101 2-5 |
| 5 | 100 | 100 3-5 | 100 2-5 | 100 1-5 | 100 1-5 | 101 2-5 | 101 2-5 | 101 4-5 | 102 1-5 | 101 4-5 |
| 6 | 100 2-5 | 100 1-5 | 100 1-5 | 100 1-5 | 100 | 101 | 101 | 101 3-5 | 101 4-5 | 101 |

24th November, 1894.

## MR. JAMES HOLDEN'S CATTLE.

*After Injection.*

| No. | 10 p.m. | 12 p.m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. | 4 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 | 101 1-5 | 101 1-5 | 101 2-5 | 101 2-5 | 101 | 102 | 101 4-5 | 102 | 102 |
| 2 | 101 | 101 1-5 | 101 3-5 | 101 3-5 | 101 2-5 | 102 | 102 2-5 | 102 | 102 | 102 |
| 3 | 101 | 101 | 100 4-5 | 100 4-5 | 101 | 101 3-5 | 101 4-5 | 101 2-5 | 101 3-5 | 101 4-5 |
| 4 | 100 4-5 | 100 3-5 | 100 | 100 2-5 | 100 | 100 | 101 | 101 4-5 | 101 4-5 | 101 2-5 |
| 5 | 101 | 100 4-5 | 100 2-5 | 100 1-5 | 100 2-5 | 101 2-5 | 101 3-5 | 101 3-5 | 101 3-5 | 101 2-5 |

24th November, 1894.

## MR. BEN. EVANS' CATTLE.

*After Injection.*

| No. | 8 p.m. | 10 p.m. | 12 p.m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 4-5 | 101 3-5 | 101 3-5 | 101 3-5 | 104 2-5 | 103 | 102 | 101 | 101 2-5 | 101 |
| 2 | 101 | 100 4-5 | 100 4-5 | 99 3-5 | 100 3-5 | 101 1-5 | 101 1-5 | 101 | 101 2-5 | 100 4-5 |
| 3 | 100 3-5 | 100 1-5 | 100 3-5 | 100 3-5 | 101 1-5 | 101 3-5 | 101 3-5 | 102 | 102 | 101 4-5 |
| 4 | 101 2-5 | 101 | 101 | 101 | 100 2-5 | 101 | 101 1-5 | 102 | 101 3-5 | 101 2-5 |
| 5 | 100 2-5 | 100 4-5 | 100 4-5 | 100 4-5 | 100 1-5 | 101 | 101 4-5 | 100 1-5 | 101 2-5 | 101 2-5 |
| 6 | 101 3-5 | 100 4-5 | 101 1-5 | 101 | 100 3-5 | 101 1-5 | 101 3-5 | 101 4-5 | 101 4-5 | 101 |
| 7 | 102 | 101 4-5 | 102 | 101 4-5 | 101 3-5 | 101 3-5 | 102 3-5 | 102 2-5 | 101 3-5 | 101 2-5 |
| 8 | 101 3-5 | 101 4-5 | 101 | 100 2-5 | 100 1-5 | 101 1-5 | 102 2-5 | 101 3-5 | 101 1-5 | 101 1-5 |
| 9 | 101 4-5 | 101 | 101 3-5 | 101 | 101 | 101 4-5 | 101 3-5 | 100 2-5 | 101 3-5 | 101 |

November 26th, 1894.

## PREMIER DAVIE'S CATTLE.

*Normal Temperature, before Injection.*

| No. | Description of Cattle. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 100 4-5 | 101 2-5 | 101 3-5 | 101 3-5 |
| 2 | Grade Jersey, 2 years old..... | 102 | 102 | 102 1-5 | 101 4-5 |
| 3 | Grade Shorthorn ..... | 102 | 102 | 102 | 102 1-5 |
| 4 | " " 6 months old .. | 102 | 101 2-5 | 102 | 101 3-5 |

## MR. ALEXANDER STEWART'S CATTLE.

*Normal Temperature before Injection.*

| No. | Description of Cattle. | 7 a.m. | 9 a.m. | 11 a.m. | 1 p.m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 101 2-5 | 101 2-5 | 101 3-5 | 101 3-5 |
| 2 | " " ..... | 102 2-5 | 102 3-5 | 102 3-5 | 102 3-5 |
| 3 | Grade Holstein ... ..... ..... | 101 1-5 | 101 3-5 | 101 3-5 | 101 3-5 |
| 4 | Common bred cow ..... | 101 | 101 2-5 | 101 2-5 | 101 3-5 |
| 5 | " " ..... | 101 2-5 | 101 4-5 | 101 4-5 | 101 4-5 |

November 27th, 1894.

## MR. JAMES MELDRAM'S CATTLE.

*Normal Temperature before Injection.*

| No. | Description of Cattle. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|
| 1 | Common bred cow ..... | 103 | 101 4-5 | 101 4-5 | 101 4-5 |
| 2 | " " ..... | 103 | 101 2-5 | 101 2-5 | 102 |
| 3 | " " ..... | 102 1-5 | 101 2-5 | 101 1-5 | 101 4-5 |
| 4 | " " ..... | 102 3-5 | 101 4-5 | 102 | 101 3-5 |
| 5 | " " ..... | 102 | 102 | 102 | 101 2-5 |
| 6 | " " ..... | 102 3-5 | 100 2-5 | 100 4-5 | 101 |
| 7 | Bull ..... | 101 2-5 | 101 | 100 4-5 | 101 |

## PREMIER DAVIE'S CATTLE.

*After Injection.*

| No. | 8 p.m. | 10 p.m. | 12 m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 101 2-5 | 100 2-5 | 100 1-5 | 100 | 100 1-5 | 100 4-5 | 101 1-5 | 101 | 100 |
| 2 | 101 4-5 | 102 | 101 2-5 | 101 1-5 | 101 | 100 4-5 | 101 1-5 | 101 | 101 1-5 | 100 4-5 |
| 3 | 102 3-5 | 102 1-5 | 102 3-5 | 102 1-5 | 101 2-5 | 100 4-5 | 101 1-5 | 101 1-5 | 101 | 101 2-5 |
| 4 | 102 3-5 | 102 3-5 | 102 1-5 | 102 2-5 | 102 | 101 3-5 | 102 1-5 | 101 1-5 | 101 2-5 | 101 2 5 |

## MR. ALEXANDER STEWART'S CATTLE.

*After Injection.*

| No. | 8 p.m. | 10 p.m. | 12 m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 101 4-5 | 101 2-5 | 101 2-5 | 101 3-5 | 104 | 105 | 105 | 104 2-5 | 104 | 103 3-5 |
| 2 | (Calved | lately; | not injec | ted.) | | | | | | |
| 3 | 101 2-5 | 101 2-5 | 101 2-5 | 101 3-5 | 101 3-5 | 101 1-5 | 101 1-5 | 101 1-5 | 101 1-5 | 101 1-5 |
| 4 | 101 | 102 2-5 | 102 2-5 | 105 | 106 | 105 2-5 | 104 2-5 | 105 2-5 | 105 2-5 | 104 4-5 |
| 5 | 102½ | 103 | 105 | 106 2-5 | 106 1-5 | 105 4-5 | 107 2-5 | 106 2-5 | 106 2-5 | 105 1-5 |

November 28th, 1894.

## MR. JAMES MELDRAM'S CATTLE.

*After Injection.*

| No. | 8 p.m. | 10 p.m. | 12 m. | 2 a.m. | 4 a.m. | 6 a.m. | 8 a.m. | 10 a.m. | 12 m. | 2 p.m. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 1-5 | 100 3-5 | 100 3-5 | 101 | 101 | 101 | 101 4-5 | 101 2-5 | 101 | 101 2-5 |
| 2 | 100 3-5 | 100 4-5 | 100 | 100 2-5 | 100 4-5 | 101 | 101 4-5 | 101 | 101 2-5 | 101 2-5 |
| 3 | 98 | 100 1-5 | 100 2-5 | 100 1-5 | 100 3-5 | 101 2-5 | 101 2-5 | 101 3-5 | 101 | 101 4-5 |
| 4 | 100 4-5 | 100 4-5 | 100 2-5 | 100 2-5 | 100 4-5 | 101 | 102 1-5 | 101 4-5 | 101 1-5 | 101 4-5 |
| 5 | 100 3-5 | 101 2-5 | 101 | 100 3-5 | 101 | 101 1-5 | 102 1-5 | 101 4-5 | 101 3-5 | 101 4-5 |
| 6 | 101 2-5 | 101 | 101 | 101 | 101 | 101 | 101 3-5 | 101 | 101 | 101 3-5 |
| 7 | 101 | 99 4-5 | 100 2-5 | 100 2-5 | 100 3-5 | 101 | 101 3-5 | 101 | 100 3-5 | 100 1-5 |

VICTORIA, B. C.:
Printed by RICHARD WOLFENDEN, Printer to the Queen's Most Excellent Majesty
1895.