

THE INDEPENDENT.

HILLSBORO : : : : THURSDAY.

Occasionally some of the correspondents can sign any fictitious name they please in their letters so that it is not the name of any person, provided they will at the same time send their real name to the editor. We require the names of all correspondents not necessarily for publication but as a sign of good faith.

Vol. III.

With this number the INDEPENDENT begins its third year with fair prospects of success.

SHEEP-RAISERS READ THIS.

The Origin of "Snots" and Anæmia Discovered!

HILLSBORO, March 24, 1875.

Yesterday in our little town of Hillsboro, we had to us thoroughly tested "one of the most interesting studies that has ever come before our sheep owners, and one that must in the future be invaluable to them. The subject was "Snots" and Anæmia, two diseases that are now becoming a curse among the flocks of our Valley. It is Mr. Wm. Watson, Superintendent for S. G. Reed, we have to thank for our information. Mr. Watson has always argued, contrary to the opinion of all sheep owners, that snots is not a disease of itself, but the sequence of a disease called Hosh, or worms in the bronchial tube and air cells of the lungs. The farmers say to him, "No; when you are longer in the county you will find it in the head"—nasal. But our friend, who is a perfect master of his subject, said, "If you will believe facts through ocular demonstration I will show you them." The answer to this was, "Certainly!" Mr. W., true to his word, brought to town a very fine, large-framed sheep yesterday, almost a thoroughbred Cotswold. Now, he said, "I am going to show you two diseases in this sheep, that you Oregonians are perfectly ignorant of, and yet there are abundant instances of them both in every one of your flocks, making no exception. These diseases are Hosh and Anæmia or bloodlessness, both the result of great exposure to the long winter rains, and the latter greatly attributable to insufficiency of nourishing food.

The first experiment was admirably shown forth, Mr. Watson describing minutely before the post-mortem examination took place how certain organs would appear, and to the astonishment of every one, everything was precisely as he said. The blood was carefully saved and weighed. The whole yield was only 48 ounces of blood in the greatest state of poverty. It was very delicate in color, and, after standing a little, one half of it seemed to turn into water. The liver was undergoing fatty degeneration, and likewise the kidneys to a great extent. The brain was much softened, the animal was much emaciated, and had a most bloodless appearance. This proof was most satisfactory. "Now for hosh," says Mr. W., describing it minutely before dissection. With the assistance of Dr. Vite the trachea or windpipe, was carefully opened. As it was being dissected it was seen full of mucus. The Oregonians began to spit great cuds of tobacco, and guessed that the "old man" was about right. Deeper goes the knife till the whole bronchial tube was laid open. At the extreme end down in the lungs (seated in what is known as the bifurcation of the bronchia), was found a perfect ball of reptile like worms, fine as silk threads, and from one to three inches long, wallowing among froth and mucus such as sheep discharge at the nose. "Now," says Mr. W., here's your Snots; see and believe." Old sheep owners looked at each other in astonishment, hardly knowing whether they were fools or men, to think that they had had snotty sheep for 20 years and never before knew what caused it! It even astonished the medical men and Veterinary Surgeon that were present. Mr. Watson said he saw both of these diseases to a frightful extent in a flock of 3,000 sheep in the neighborhood of Waitsburg, W. T., nearly four years ago. Being a perfect stranger in the country he felt at a loss what it was to begin with, not knowing the nature of the climate, grasses, &c.; but before he was a week among them, he saw

what was up, and killed some of the sheep to make post-mortem examinations, so as to fully satisfy himself. The frontier men in that district did not seem to value his knowledge, or take his advice, so he left them in blessed ignorance, and before many months were over there were upwards of 2,000 deaths out of the 3,000.

Mr. Watson says the best cure for Snots, or rather the best preventive is to keep troughs with tar constantly beside your sheep, always keeping salt on the tar to encourage the sheep to lick. By this means the sheep will inhale the tar fumes, and although it may not prove a cure to those deeply affected, still it will prove a preventive to young sheep and now is the time to use it so as to keep the lambs clear of it.

Anæmia or bloodlessness, is caused by a want of nourishing food. Mr. Watson says the system of keeping sheep on very ripe timothy hay during storms is a very injurious one; sheep should have tender green hay early cut, but what is far better, feed liberally during the winter months shelled oats mixed with bran, and always add salt in every feed, besides have salt in troughs constantly beside the flock, so that they may go to it at will. He also says that the day is not far distant when farmers will find it to their advantage to keep better sheep and fewer of them and provide shelter sheds for them, not only to protect them from our trying winter rains, but also from the hot summer suns. Spanish merinos, Mr. W. says, are almost an exception to Snots. This he accounts for, from the sheep never being cold and wet like open woolled sheep. Their dense oily fleece always keeping them comfortable.

Mr. W. is at present holding a wide correspondence with some of the ablest veterinary surgeons in Britain regarding Hosh and Anæmia. From what we have seen of the letters they say he is perfectly clear in his views of the disease, and so interesting does Mr. Watson's correspondence seem to them, that his letters are being published in the British Veterinarian, no small compliment! We are promised all this correspondence for publication from our friend by and by as well as the result of experiments on these diseases, he is at present carrying out. Our stock owners ought to be most grateful to Mr. Watson for the interest he is taking in their general welfare; all will benefit by his knowledge, and experience, for without flattery to him we make no he it in saying he is the best stock man that has yet come to our State. We know of no greater treat than a visit to Reedville to see how the short-horns, and other stock are kept.

Hosh or Hoole, in Sheep, Commonly Called "Snots."

This disease so prevalent in sheep at present is calling forth every effort to ascertain if possible the nature and cause of the malady and also discover a remedy whereby it may be successfully treated and its destructive character and influence made abortive.

Hundreds of sheep (and I may say thousands) have already been sacrificed in this country from its destructive influence and their value at this time is too great to pass so destructive an agent unnoticed and every person being interested in the products and prosperity of the country should lend their utmost effort in eradicating the disease from among us as early as possible. Yesterday, March 23d, Mr. Wm. Watson, one of our most energetic and thorough cattle raisers and Superintendent for S. G. Reed, Esq., of Washington county, Oregon, concluded to make a post-mortem examination of one of the sheep worst affected and almost dead. By request I assisted Mr. Watson in the examination. First, we carefully bled the sheep, saving all the blood which amounted to only 28 ounces. The blood coagulated very rapidly, was of a bright scarlet color, indicating proper oxidation; after standing about 10 hours the serum separated from the clot, equal in quantity to the clot indicating great anæmia. After disemboweling and removing all the viscera we first proceeded to examine the liver which presented almost a normal condition, slightly pale and somewhat softened; the Portal and Hepatic veins appearing healthy; the gall bladder very large, double in size and distended with a pale watery fluid. Second, the intestines

appeared normal and healthy. Third, the left kidney much disorganized, undergoing fatty degeneration; the capsule soft and easily peeled off; the corpus malpighii almost obliterated. The right kidney could not be found, whether deficient or destroyed in disintegration, could not ascertain. Fourth, found the heart very pale, soft, and flabby. Fifth, the upper lobes of both lungs presented an almost normal, healthy condition, being somewhat paler than normal. The lower lobes in both lungs presented a pale whitish appearance, and upon pressure between the fingers had the same crepitant manifestations present in first stages of pneumonia. Next, opened the glottis and trachea; found the mucous membrane pale and covered with a frothy mucus; upon further opening into the bronchial tubes, found in each tube in the lower lobes of each lung a large collection of thread worms alive and rolled together in bundles as large as a penholder and extending into the small bronchi; the air cells and bronchi filled with frothy mucus. Sixth, we next proceeded to examine the brain and nostrils—found the brain very pale and greatly softened, more particularly the anterior portion of both hemispheres presented the appearance of a soft, cheesy mass, the olfactory bulbs being almost destroyed. The mucous, or Schneiderian membrane, lining the nostrils, was highly congested and covered with a tenacious mucus extending into the fauces.

Remarks.

The first thought likely to present itself to the mind is, what is the character of those worms; how do they get into the lungs; how do they originate, or where do they come from, and how can they be destroyed or the disease successfully treated?

In answer to the first thought, I have examined a few authors on the subject but find that the character of worms is not very well defined. A large list or classification is given in Dunglison's Dictionary embracing 20 varieties characterized by the organs or parts which they inhabit, but I am not able to find any among the whole list, which are common to, or frequent the bronchial tubes as presents itself in the subject before us. Professor Dunglison speaks of Filaria Bronchialis which inhabits the bronchial glands, but fails to give any information as to their character.

After examining some of the worms, under consideration, under the microscope I find they correspond more closely with the Tricocephalus dispar, or common thread worm, which inhabits the cæcum and large intestines in the human family.

In answer to thought second. An idea has presented itself to my mind: may there not be some insect which deposits its egg in the sheep's nose and by inhalation imbibes the germ from which the worm is produced by coming in contact with the temperature of the body?

Treatment.—A great variety of theory and speculation may be indulged in but the course I have in mind I think would be worth a trial, i. e., to give each day an inhalation of sulphurous acid gas for several times by the following process; saturate thoroughly with sublimed sulphur a ball of cotton and burn the same under, or in contact with, the animal's nose. If this fails I would try the inhalation of iodine under the same process; or the inhalation of mercury might also be tried.

Jno. Vite, M. D.

For the very best Photographs, go to Binley & Robinson's Gallery with an ELEVATOR, 234 Montgomery Street San Francisco.

Summons.

In the Circuit Court of the State of Oregon for Washington County.

Anna C. McKinney Plaintiff, vs. William F. McKinney Defendant.

To Will F. McKinney defendant above named.

IN THE NAME OF THE STATE OF OREGON you are hereby required to appear in the above entitled Court and answer the complaint filed against you in the above entitled suit by the first day of the next term of said Court to begin at Hillsboro, Washington County, Oregon, on Monday the 24th day of May, A. D. 1875. And if you fail so to answer the Plaintiff will apply to the said Court for the relief demanded in the said complaint, to-wit: a decree dissolving the marriage contract existing between you and Plaintiff awarding the care and custody of the minor child of Plaintiff and Defendant James Hiram McKinney to Plaintiff and for a judgment against Defendant for her costs and disbursements and such other relief as the Court may deem proper in the premises. This summons is published pursuant to an order made by the Hon. E. D. Shattuck Judge of said Court on the 16th day of March, 1875.

RALL & STOTT, Attys. for Plaintiff.

mar24w6

Final Settlement.

IN THE MATTER OF THE ESTATE OF Edward Morgan deceased in the County Court of Washington County, State of Oregon. The administrator of said estate having filed his exhibit for final settlement thereof, it is ordered by said Court that Tuesday the fourth (4th) day of May, 1875, be set apart for said final settlement with the administrator of said estate. By order of the Judge of said Court.

W. H. B. MORRIS, Administrator of Estate of Edward Morgan deceased. Attest County Clerk. mar25w5

NEW ADVERTISEMENTS.

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Tualatin Hotel. MAIN STREET - - - HILLSBORO, D. L. TURPIN, PROPRIETOR, mar24tt

Hillsboro Lodge No. 17, I. O. O. F. T. meets at its Hall in Hillsboro every Saturday evening at 7 o'clock. All members of the order in good standing are cordially invited to attend. By order W. C. T. mar24w

NOTICE!!!

ALL PERSONS INDEBTED TO THE School Fund for Interest, are hereby notified to pay up immediately, or the same will be put in the hands of an Attorney, for collection. By order of the Board, fe26tt W. SIMMONS, Co. Treas.

Summons.

In the Circuit Court of the State of Oregon for Washington County.

Charles McKinney vs. Mary McKinney. To Mary McKinney the above named Deft.

WHEREAS ON THE 10TH DAY OF March A. D. 1875, Hon. E. D. Shattuck Judge of the above named Court made an order directing that service of the summons in this suit be had upon you by publication of the same in the Washington Independent for six consecutive weeks. Therefore you are hereby notified, to appear and answer the complaint of Plff. herein filed against you by the first day of the term of said Court next following the expiration of the publication of this summons which said term will commence at Hillsboro, Washington County, Oregon on Monday the 24th day of May A. D. 1875. And you are further notified that if you fail so to answer, the Plff. will apply for the relief therein demanded, to-wit: that the marriage contract now existing between Plff. and Deft. be dissolved. Tros. H. TORREY, Atty. for Plff. mar24w6

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The popular Teacher of the Organ & Piano Forte WILL visit HILLSBORO every FRIDAY evening and remain over SATURDAY. All who wish to avail themselves of his SUPERIOR instruction on the Organ or Piano Forte, will meet him on Saturday in Hillsboro. The publishing Class meets on FRIDAY evening. no24w

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