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It has been, we all will agree, very hard for the farmers to pay high prices for feed and hogs dropping off in price, but from the best authority hogs have reached the bottom. So don't get discouraged, look for a better market from now on.

When ready, Call--
Fred C. Bartholomew

H. L. Martin, representing the Blake McFall Co. of Portland, called at this office Friday He succeeds Mr. T. S. Nisbet who for several years made Estacada for the above firm. Mr. Martin is a very agreeable gentleman of ingratiating manners whom it is a pleasure to meet. Mr. Nisbet is now manager of the Kant-Break Spark Plug Co. of Oregon, with headquarters in Portland. His friends here will miss his genial visits and wish him much success in his new undertaking.

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State of Ohio, City of Toledo, Lucas County, ss.
Frank J. Cheney makes oath that he is senior partner of the firm of F. J. Cheney & Co., doing business in the City of Toledo, County and State aforesaid, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of Catarrh that cannot be cured by the use of HALL'S CATARRH MEDICINE. FRANK J. CHENEY.
Sworn to before me and subscribed in my presence, this 5th day of December, A. D. 1886. A. W. GLEASON, Notary Public.
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Sold by all druggists & 75c.
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BACTERIA DESCRIBED

(Continued from Page Seven)

But the most horrible of all were several wigglers of two kinds, one is the kind that is found in rain barrels or pails of water that is allowed to stand for a few days and becomes stagnant. Most everybody is familiar with this specie so I will speak no further of it, but will take up the other, which to my notion is the most horrible creature I ever looked at, and I wish every one in Estacada could have the opportunity of watching it for a few moments under the compound microscope.

There were several of them, and they were greenish brown or brown in color, and were from one-eighth to one-fourth of an inch in length. Their body was made up of a series of hard shell like joints, the largest being the head. Its mouth was two large nippers like those of a beetle, and many feelers were about and over its mouth. On its tail were pointed horns similar to nippers except they were wide set. Also there were two or three pairs of long slim feelers. Its means of travel seemed to be by wiggling or crawling about, and sometimes it would double up, set its rear prongs, and give a mighty push.

Crawling about among the algae in this fashion it would stop now and then and take a bite of algae. Its jaws would open and close with a snapping appearance and two or three joints of algae could be seen enter and pass through its head and down through its body. Then it would start again in search of another choice bite of algae. Understanding that the larvae of a mosquito is a wiggler, it may be one of these kind found in the swamp.

Tiny and one celled animals known as parasites cause yellow fever, malaria, the sleeping sickness, hook-worm, and probably small pox, scarlet fever, and measles. Now the creatures found in this little swamp may be dragons if they should happen to be of the disease kind, and if they are not of the disease kind, they are dragons anyway for they might be the stage of some kind of insects, which when spring opens will be out in large numbers to destroy our fruit and gardens that should be the food of man or man's domestic animals.

It is estimated that animals, called insects, cause \$800,000,000 damage yearly to crops, trees, etc. This number can be decreased this year by destroying this swamp now, which would mean that there would be several thousand insects less to cause damage to our crops, trees, etc., and would mean dollars in your pockets.

The two types of bacteria found, coccus, and bacillus, may be harmless or they may be of the type that causes some of the most deadly of diseases, such as tuberculosis, typhoid fever, diphtheria, pneumonia, blood poisoning and diarrhoea. Bacteria also spoil food, cause milk to sour, cause diseases of garden plants, and trees such as rot, blights, and wilts. They cause disease of our domestic animals, and they waste more of our forest by means of decay and rot than is wasted by the loggers.

Bacteria, insects, and one celled animals are continually attacking and killing the trees of the forests every year. They cause the trees to decay, and a decayed tree or snag is a sure trap for fire, and through these means there soon will be no forest from which to build our homes, and when the forests are gone floods and wash-outs will become numerous. These will destroy our bridges, carry away our docks, and worst of all it will ruin our farm land on which our food supply depends. Taking China for example: in regions where there are no forests the water has washed down sand, rock, and debris and deposited it on the lowlands where years ago there were prosperous farms, and cities now where a dog could not thrive.

(Concluded next week)

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