

see him, and went up accordingly. It was while examining the boy that I observed that there was something much more serious the matter than a pain in his stomach and constipation. I observed that he could not open his mouth more than a quarter of an inch, and could only put out his tongue about the same distance. His temperature was 100 degrees, pulse 90 and respirations 20. I also observed that about every half minute he was having a severe clonic spasm, at which time the mouth would shut tight with a peculiar click in his throat; that peculiar look on his face called "Risus Sardonicus" was well marked, and he would call out after the spasm, "Oh! my stomach." This pain in the stomach seemed to be due to the extreme tension on the abdominal muscles, which, I observed, were continuous in a state of extreme tension or tonic spasm. On further examination I found that all the muscles of the back were extremely rigid, or, in other words, the boy's position was that of opisthotonos. It now occurred to me that I had to deal with tetanus or lockjaw. I inquired if the boy had recently received an injury, and the grandmother replied that he had fallen and cut his knee on the gravel walk on September 2, 1909, and that she had healed it with "Zambuk." So I examined the knee, to find a wound then scabbed over, but not healed. It was about half by three-quarters of an inch in size. It looked as though it had been a bruised cut such as would have been caused by a fall on a stone. I then elicited the following facts: On Saturday, September 11th, the ninth day after the injury, the boy began to complain of his jaws being stiff and sore. The grandmother thought he was taking mumps, and rubbed on some home remedy. Sunday, September 12th, he said his jaws were somewhat stiffer and that his neck began to get sore. Monday, September 13th, he complained to his father, saying: "There, father, is another thing coming to me; I bit my tongue last night." He also began to complain of pain in his stomach, and said he was very tired, and would not go out with the other children. On Tuesday, September 14th, the fourth day of the disease, the symptoms were all exaggerated, and he was as I have described him when I was called at 7.30 p.m.

I now gave him $\frac{1}{4}$ gr. of morphia, 2 grs. of calomel and soda each, and ordered him 2 drams of Epsom salts to be taken at midnight, and scrubbed out the wound thoroughly and dressed it with balsam of Peru. At 8.30 the same evening I took Dr. McDonald up to see him, and he agreed with my diagnosis of tetanus; and I gave 1,500 units of P. D. & Co.'s antitetanic serum and 8 grs. of chloral and 10 of triple bromide, and $\frac{1}{8}$ gr. of morphia, to be given every three hours all night.