

the stream. There has been some difficulty in walking in the dark, and there have been definite lightning pains.

*On Examination:*—There is bilateral optic atrophy, causing blindness in the right eye and very defective vision in the left, he can count fingers at about two yards; the pupils are inactive to light but react to accommodation. There is a scarcely perceptible ataxia of the lower extremities evidenced in touching the heel to the opposite knee, and a slight impairment of the sense of position of the muscles, which is shown by his not knowing in which direction one moves his toes if his eyes are closed when one is doing it. The knee and ankle jerks are absent. Romberg's sign is present. This patient's condition has not altered perceptibly since his first admission, save that for a time, at the end of last winter, it was noticed that there was an increase in the loss of the sense of position in the lower extremities. This was accounted for by the fact that he used to walk into the clinic from one of the suburbs every week or two, and the walking was very heavy.

It is evidently a typical case of Tabes with optic atrophy.

Now, on going into his history more carefully, it is found that while employed on the dining car he was in the habit of reading for two hours every afternoon and again from 9 to 12 at night, usually lying down in his bunk, by the light of a coal oil lamp, while the train was running along. The strain on his eyesight can be imagined. It is interesting to note that impairment of vision was for a long time his only complaint, and especially that since he has given up all occupation that would cause any strain on his sight, this has not become any worse.

*Case II*—G. P., male, aged 33, by occupation a tailor, came to the clinic on October 18th, 1909, complaining of disturbance of vision, weakness in the arms and "electric shocks" in the arms and legs, occasional vomiting. He gives a history of a primary luetic infection eleven years ago, for which he was treated at the Montreal General Hospital for four months by inunctions of mercury. His present trouble began three years ago with disturbance of vision, and the eyes became crooked as they are at present; about the same time he began to suffer from pins and needles sensation in the arms, and he had increasing difficulty in carrying on his occupation of sewing. Some time later he developed these sensations in the legs also. He states that he empties his bladder about once a day as a rule.

*On Examination:*—The fundi are normal, there is marked bilateral ptosis with compensatory contraction of the occipito-frontalis in the endeavour to hold up the eyelids, there is an outward deviation of the eyes due to a weakness of both internal recti; he can fix either eye on an object to the nasal side, but there is marked secondary outward devi-