

*Left Upper Extremity.*—There is extreme wasting of the thenar and hypothenar eminences, of the interossei and lumbricales. The hand is a typical example of the "Claw Hand." The muscles on both surfaces of the forearm are much wasted as compared with those of the right forearm, the circumference of the left forearm, a few inches above the wrist, being an inch less than the corresponding part of the right forearm. There is no disturbance of any form of sensibility in the left hand and forearm. The reactions to the faradic and galvanic currents are nil in the wasted muscles. There is no wasting in the upper arm or shoulder muscles.

*Right Upper Extremity.*—There is wasting of the thenar eminences and of the first and second interossei. This was first noticed a few months ago. The wasting is progressive in character, but has not involved to any appreciable extent the muscles of the forearm. There is some wasting, however, in the upper arm, the difference in circumference between it and the corresponding part in the left upper arm being half an inch. The difference between the two upper arms is also distinctly to be made out on testing the power of the muscles. The faradic reaction of the muscles is lessened but very slightly. There is no disturbance of sensibility.

*Left Lower Extremity.*—The patient makes the complaint that when walking he is unable to lift the toes of the left foot as well as those of the right. This difficulty is very apparent when he is asked to walk across the room. There is slight wasting of the anterior group of muscles of the leg. There is no disturbance of sensibility.

*Right Lower Extremity.*—There is marked wasting of the muscles of the right thigh, the circumference at the middle being an inch and a quarter less than the circumference at the same part on the left side. There is a distinct diminution of both the faradic and galvanic reactions, but no objective or subjective sensory disturbance.

*Reflexes.*—The knee jerk cannot be brought out on the right side. It is, however, normal on the left. Ankle clonus is not noticeable in either limb, but a rectus clonus is present in the left limb. The superficial and organic reflexes are normal.

Fibrillary twitchings are to be seen in all the atrophied muscles, and also in those of the left thigh. There is no disturbance of co-ordination or special senses.

The condition present in this patient may be summarised as follows :

I. A progressive wasting of the muscles of the left hand and forearm extending over six years.

II. A slight wasting of the interossei and of the thenar and hypothenar groups of the right hand extending over a period of 6 months.