

when cold, became numb. Brisk rubbing, however, restored both warmth and sensation.

He recalls now, that twelve months ago he remarked to his mother that the water in the wash-basin was cold only to his left hand.

*Present Illness.*—Since he first landed in Canada last April, the fingers of his right hand have gradually become stiff and the hand itself has withered. Four months ago, while working at his trade of a bricklayer, he cut his hand with a trowel, but felt no pain and did not know for some time that the skin had been broken and that the wound was bleeding. This injury took a long time to heal and the scar is still present. A few days ago he had a blister on his thumb from using an axe. This was ruptured in the course of his work, and yet he felt no pain. He has noticed that the goose-flesh comes more quickly on his right forearm than on other parts of his body. He perspires, too, more freely on the right hand. Because he is no longer a capable workman he has had to relinquish his employment, and he now presents himself for medical treatment for the atrophy of the hand muscles.

*Physical Examination.*—The patient has a splendid muscular development, having been for some years a trained gymnast. The optic discs are healthy. The ocular muscles and the pupillary reflexes are normal. Hearing, vision, taste, and smell seem to be unimpaired. The skin of the right hand is purple and cold to the touch, although the patient says it feels perfectly comfortable. The right forearm measures 25 cm.; the left 27 cm. There is no tremor of either hand. The thenar and hypothenar eminences have almost disappeared, and the metacarpal bones are prominent from the atrophy of the lumbrical and interosseous muscles, while the condition of *main en griffe* is quite evident. The patient says that he noticed the wasting first in the small muscles of the thumb. The movements of the fingers are much impaired. He cannot approximate the fingers and thumb, nor can he abduct the fingers. The grasp of the right hand is very weak, and its movements clumsy, so that he has difficulty in buttoning his clothes. The nails on his hand are slightly ridged. The muscles of the arms and forearms are firm and apparently healthy. There is no spinal curvature. The muscles of the right thigh are less firm than those of the left. His station is good and he has no ataxia.

*The Reflexes.*—Are absent in the right arm and only slightly present in the left. The patellar reflex on the right side is in-