

I did not see her after that till May (nine months after the accident) when her mother brought her to me. She walked well, though she constantly supported her chin with her hand placed under it. The head rested upon the right shoulder and could not be raised from it without causing severe pain. The neck was much altered in shape, and there was an irregularity in the region of the axis and atlas that gave the idea of a partial luxation of those vertebræ. Her general health was good, and the muscular power was perfect.

Her mother stated that about two months after my visit, the child was sitting at a table playing, when she suddenly called out, "Oh! mamma, hold my hands;" that when she got to her, both arms and legs were powerfully thrown back and moving convulsively; that she had not the power to support her head which fell from side to side. Her mind was not impaired, she conversed freely, and did not complain of pain. She was immediately placed in bed, when the spasmodic action of the limbs subsided, she fell asleep and slept quietly through the night. The next morning she was perfectly powerless from the neck down; she swallowed with difficulty, but articulated well, and the sphincter muscles retained their power. She continued in this state for three months, after which time the power of locomotion very gradually returned.

The history of the case and the appearance of the child, rendered it evident that some serious lesion had taken place involving the cervical vertebræ and spinal cord, and fearing that any sudden movement might produce such pressure upon the cord as to cause instant death, I had an apparatus made by which I could fix the head and *gradually* raise it from its position on the shoulder. The apparatus was made somewhat upon the principle of "Wiess's support for wry-neck," with a bar passing over the head, to which a strap was attached to support the chin, and the head could be moved and placed in any position by means of recompense screws.

She wore the apparatus for nearly a year, when she was able to leave it off with the head nearly erect, the neck tolerably straight, (as may be seen from the photograph annexed) and possessing considerable power of rotation. There is a depression behind the right sterno-mastoid process, and a corresponding elevation upon the opposite side.

She continued in this state, with more or less pain, until March, 1867, when she was brought to me complaining of sore throat; upon examination I found tumefaction and redness upon the posterior part of the fauces over the body of the axis. Suspecting that an abscess was about to form, she was directed to gargle frequently with warm water, and return in a week, at which time she appeared, her mother producing the bone