

flaccid. The muscles of the trunk are all paralysed, with the exception of the diaphragm and probably of the serratus magnus anticus, which is supplied by the external thoracic nerve. By these two muscles respiration is performed. The abdominal and intercostal muscles are paralysed. Inspiration is performed by the diaphragm chiefly, but if the dislocation be between the 6th and 7th the serratus magnus anticus must aid powerfully. This muscle is supplied by the external thoracic nerve which emerges between the 4th and 5th, and 5th and 6th cervical vertebræ passes behind the axillary plexus and is distributed to the serratus which arises from the base of the scapula and is inserted into the eight superior ribs. When the shoulders are fixed it lifts and expands the upper part of the chest, and also counteracts the diaphragm in depressing and drawing together the lower margin of the thorax and hence renders the act of inspiration more perfect. Expiration is performed by the recoil of the lungs and by the elasticity of the structures generally, and also by the weight and elasticity of the abdominal viscera and parietes causing the diaphragm when released to recede into the thorax, and in proportion as the ser. mag. ant raises the thorax the more will the parts be stretched and the greater will be the recoil. There are sonorous rales over the front of his chest. He frequently tries to cough but can't do so with any force whatsoever, expectoration being accomplished by the diaphragm and possibly of muscular fibres round the air tubes. By these means he is able to get the sputum into his mouth from whence it is wiped out. His abdomen is very prominent. Although there is anæsthesia in the upper extremities, yet there is no loss of motor power. His right arm is kept by his side and forearm at right angles to arm. Shaking continually. His left arm is also kept close to his side; and every few minutes he puts his left thumb into his mouth and sucks it and bites it alternately, but not so as to damage it. He continually grinds his teeth. His voice is not distinct. He can swallow