

To flex the forearm, the triceps contracts and draws the forearm upward to the stump and to its inner side, then, having a fixed point as the fulcrum, the forearm is drawn up by the contraction of the biceps, supinator longus, and brachialis anticus. After it is flexed the supinator longus still contracts and having no lateral ligaments to restrain the arm it supinates and drops outward. To bring the forearm back to the natural position, the extensors contract (the origins of which are blended with the triceps) and bring the arm in the usual flexed position and it drops to the fully extended.

Pronation is accomplished principally by the pronator quadratus although the lower head of the pronator radii teres is left and no doubt acts strongly.

Supination.—The supinators are not materially affected, although one head of the supinator brevis is gone.

The patient can lift heavy weights from the ground, but in the act the deltoid is called somewhat into action. He has been employed for some years in a brickyard, working at general work.

Selections : Medicine.

POISONING BY HASCHISCH.

BY DR. GUSTAVE LE BON.

Haschisch has been scientifically studied by various authors, but what has not been noted, as far as I am aware, is the analogy existing in certain effects produced by this substance in large doses, and those caused by artificial somnambulism, notably *le dédoublement de la personnalité*. Every one knows that haschisch is prepared from *cannabis indica*, but it is less commonly known that in the East this extract is mixed with various substances which greatly modify its properties, such as nuxvomica, ginger, cannella, and even cantharides. That which I have bought in the Grand Bazaar, of Cairo, in a store devoted exclusively to its sale, I found under various forms, but chiefly as pastilles and solid confections of various colours. An Arab, who was enviously watching me purchase a large quantity of this substance,

tersely defined to me its effects as follows: "That brings happiness." With it in fact the most miserable fellow can obtain for some hours such enjoyment that he would not change places with the most powerful monarch. (After describing briefly the effects produced by ordinary doses, the author gives the following cases in which quite different symptoms followed large doses.) The subjects of my observation were two ladies who had called at my house to examine some Eastern curiosities and who took by mistake for sweetmeats some confections of haschisch. The dose taken by one lady was seven or eight times the usual quantity. The other lady took four or five times the normal dose. This lady was young and well educated, with a manner usually cold and reserved. A quarter of an hour after taking the haschisch she felt a dull sensation in the head and lay down on the sofa, and during a few minutes had dreams of a very light character. She then got up as if she had been awakened, and walked up and down as she related her dream with a freedom of language quite foreign to her nature; then she sat down on a lounge and began to converse with me with her eyes half closed. I soon found by certain signs that she was in that peculiar state that is often brought about by induced somnambulism. She had lost consciousness of her personality and spoke of herself in the third person as she would have done of a stranger. Her intellect was highly over excited, and the choice of expressions as well as the diction quite remarkable. Although usually rather reserved she replied with the greatest frankness and without hesitation to all questions, even to those relating to facts that she had the greatest interest to conceal. This state lasted half an hour, then she got up, walked about and regained her normal condition; her voice changed, her conversation became less lively, she no longer spoke of herself in the third person, and asked me in astonishment what had happened to her. I then tried to talk of the same subjects as during the sleep, but she stopped me at the first word and became very reserved; after a quarter of an hour she again became unconscious, with excitement and loss of the power of concealing her thoughts. This alternation of the somnambulistie and normal states lasted for three days. On the last, she passed her hand over her