found the dog perfectly recovered, expressing by his ject. To put an end to his sufferings, he was in- tated woman. stantly strangled.

A few days after, I instituted another series of experiments, when I carried my operations to a still greater placed on the effects of the inhalation. The dog was once more the subject. In three minutes and a half, he was under the full influence of the ether. The skin being removed from the whole of the hody, I passed over the quivering flesh a poker heated to whiteness. Several deep incisions were made in the muscles of the back, the right leg was entirely separated from the body, excepting the vessels and nerves, and I once more applied the poker to staunch the bleeding of several small arteries; not a moan was heard, not the least starting of a nerve was perceptible; the flesh smoked and the iron hissed. By means of a crucial incision, I laid open the persons, and always with the same happy success. abdominal avity, and took out upon the table the mass of intestines; my students had then the advantage of a demonstration of the peristaltic motion of those organs. and could observe the rising and falling of the diaphragm, assisting most powerfully the respiratory act. The intestines were cut through in different places, the liver and spleen torn and wounded, every step followed by the application of the heated poker. Finally, the thorax was laid open, several of the ribs forcibly fractured, and the intercostal muscles lacerated.

The time occupied in performing this long and severe series of experiments, was nearly three quarters of an hour, during which the breathing tube was applied to the invariably the same in almost every trial. dog's mouth once every eight or ten minutes, on an down his throat, in a few moments he perfectly recovered, turned on his side, and endeavoured to lick his numerous wounds, and tried to rise, but was so much exhausted by the profuse loss of blood, that he fell back When the gentlemen present were perfectly satisfied with the happy results of these cruel and circumstance, is, that I am enabled, as was fully tested lengthy experiments, the dog was strangled.

Dr. Regnier, demonstrator i the School of Medicine, in and which is continued as far as the gluteal and femoral the presence of Dr. Munro, Messrs. Kreighoff, Webster, regions; consequently at those points where the sacral Jones, and Molloy, my office pupil, and several other lumbar plexuses pass out of the trunk to be distributed students of medicine. 1 was now fully convinced of to the anterior and posterior parts of the lower extremities. the deadening properties of ether on the animal, and Though sensation is destroyed, voluntary motion still it was but reasonable to conclude, that its action would exists; there is an instinctive desire of stretching the legs,

Some weeks since, I had the pleasure of seeing deep groans, the severity of his sufferings. In this state, my conclusions verified, on the occasion of the extirpa-I cut off one portion of the remaining ear, but the result tion of a large growth from the upper part of the thigh. was far different; his violent efforts and cries giving I assisted my father, Dr. Wolfred Nelson, in removing every one present to understand, that he was no more a tumour of two pounds weight, from a weak and debili-The ether was administered by Mr. Webster. In four minutes insensibility supervened; the tumour was quickly removed; the wound allowed to be exposed to the action of the air, to discover whether extent, to prove conclusively, if full confidence could be there might be bleeding from small arterial trunks: the ligatures, plasters, and bandages were applied; the patient meanwhile having no consciousness of our proceedings. During the last stages of applying the dressings, reaction slowly manifested itself; she seemed most happy, judging from her loud peals of laughter, but they were soon succeeded by sighs and tears, calling frequently for one of her daughters living in the country. The wound healed by the first intention, and in the course of one week, she was enabled to attend to her usual avocations.

I have extracted several teeth from old and young have now reported experiments extraordicary by their severity, and much more so by their striking and conclusive results, and have not the least doubt, nor have any of my friends, and I trust my readers will coincide with me, that the action of this almost marvellous agent, by thus essentially destroying sensibility, is the greatest achievement which has ever taken place in surgical Before applying the remedy to the human science. subject, to determine as much as possible its mode of action on the system, I inhaled the vapour of ether over one hundred times, and as much as possible have carefully noted the symptoms it produced, and which were

The first or second inspiration generally produces a By the aid of a little ice cold water poured tickling of the throat, with hacking cough, and sensation of warmth in the chest, continuing for one or two more inspirations. A slight tremor of the whole body, something like a very mild electrical shock is felt, succeeded by numbness, cold and formication of the feet, with gradual loss of sensibility. What may be considered as a strange in the presence of the above named gentlemen, to follow In these different experiments, I was ably assisted by the gradual subsidence of sensibility at each inspiration, manifest itself in the same manner on the human sub- flexion and extension is performed, and when the foot is