

cian, ordered the extensor to be applied, but becoming unserviceable its use was not continued. Iodine paint was employed with advantage in dissipating the enlargement, and a mixture of Iod. Potass. and Vin. Colchici was used internally. (Iod. Potass.  $\mathfrak{z}$  i., Vin. Colch.  $\mathfrak{z}$  i., Aqua  $\mathfrak{z}$  viii. Cup.  $\mathfrak{z}$  ss. ter. in die.)

His present condition, on Feb. 5th, 1858, is as follows:—All the soft parts composing the stiff joint of leg seem thickened and hardened, and the motion is limited. Perfect extension cannot be reached by within six inches, owing to rigidity of flexor muscles, and the stiffening caused by the plastic material thrown out. The foot is everted considerably, and a depression at the superior extremities of tibia and fibula, and consequent protrusion of lower portion of femur are very marked. The patella is immovable and is displaced outwards. The affected joint is now only about an inch greater in circumference than its fellow. A slight shortening of leg is also visible. Only an occasional pain, and that of no great intensity, is complained of.

The injured joint is at present of very little service, on account of partial dislocation and eversion of foot, very little pressure can be made on the heel, and he cannot move about without the use of crutches.

Feb. 10th.—Dr. MacCallum directs gradual extension by manual power to be employed daily, in hopes of relaxing the muscles and breaking up some of the morbid adhesions about the joint. Liniment to be applied to relieve slight pain complained of inside of joint.

15th.—Great improvement in motion of limb. No bad effects result from stretching the joint, except a slight pain. Extension limited to every alternate day.

25th.—Extension continued. The limb is gradually acquiring a straighter condition, and the manipulation has had the effect of greatly diminishing the stiffness and also pain in joint.

March 1st.—Benefit of extension not so marked of late, but there is no retrogression.

9th.—As further extension seems prevented by rigid condition of tendon of biceps muscle, Dr. MacCallum performed operation of tenotomy, and the limb was directed to be extended as far as possible, and put up in that position, in a retentive apparatus.

14th.—The operation has considerably diminished the ankylosis. When the leg is placed as near as possible in the horizontal position, the popliteal space is only about two and a-half inches above the level of the rest of the leg. The joint is less stiff and can be extended with less pain. He can bear, tho' only for a moment, the whole of his weight on the limb; but on account of eversion of foot and non-opposition of bones of