plasters and bandages, and sometimes by splints. This pressure helps to disperse the ædema, to replace the tendon in its normal position, to hasten the absorption of any plastic exudation, and thus to prevent diminution in the caliber of the tendon-groove. I cannot say this is a novel method of treatment; but I think it is one not usually practiced, partly because it entails the expenditure of much time and trouble, and partly, I feel sure, because there is and has been a tendency to under-estimate the inconvenience and distress arising from a badly sprained joint.

The common practice in treating a sprain is to put on a bandage, telling the patient to take it off if the joint becomes painful, and to substitute warm water fomentations. When the swelling has subsided, if the injury be not so slight as to be already cured, a liniment or the application of iodine is generally ordered. Very frequently the tight bandage causes inflammation, while the rubbing and painting are practically useless. There are numbers of cases of slight sprain, indeed, which will get well with comparatively little treatment or none at all; but in that more severe form where, after an inflammatory or at least exceedingly hyperæmic stage, swelling takes place, with the results I have described, the application of these remedies does not prevent the joint from being left rigid, painful and unfit for use for a very long Now it is, as I have said, in preventing all this, that the plan of treatment by direct, equal and continuous pressure, will be found exceedingly valuable; for, where it has been properly carried out, I have always found that the joint returns quickly to its normal condition—pain being speedily relieved, and rigidly prevented. The treatment may be divided into two stages; the first lasting from a day to a week or longer, during which the treatment has to be directed to averting inflammation by rest, warm applications, anodyne lotions, etc.; the second commencing when the joint has become cold, swollen and painful on movement-in fact, when the injury has assumed a more or less chronic character. It is during this second period that I believe the active treatment I advocate ought to be employed. It is important not to commence this until the surface heat is normal; for undoubtedly, when any tendency to inflammation exists in the tendon-sheath, pressure aggravates it, and I have known it to lead to untowards results.

It is of course impossible, within the limits of this paper, to describe the special adaptation of this method to each joint; but I will take as an illustration the ankle. If a wire be passed around the joint so as to impinge on the two malleoli and the tendo Alchillis, it will define three or four well marked hollows: one on each side of the tendo Achillis behind each malleolus, one in front of the fibula, with a fourth shallower one in front of the tibia. When the ankle is severely sprained fossæ becomes obliterated, and are filled up

with effusion, overstretched ligaments and displaced tendons.

Observation has led me to believe that there are very few sprained ankles in which muscular. displacement to some degree does not take place. It most commonly occurs in front of the outer malleolus involving the outer part of the annular ligament, the extensor longus digitorum, and the anterior fasciculus of the external lateral ligament; next perhaps the posterior peroneo-tarsal ligament and structure behind the external malleolus. Cases of similar overstretching and displacement on the inner side of the ankle are happily rare; but in gravity they bear much the same relation to the former as a Pott's dislocation does to a simple fractured fibula. I will assume an ankle-joint has sustained a severe sprain all round, and has arrived at the chronic stage; modifications of the treatment of such a case will meet all that are likely To carry out the first principles of treatment by direct, equal and continuous pressure, it is clear the fossæ mentioned above must be filled, or rather their sites covered by pads so as to cause the retaining plasters, bandages and splints to exercise equal pressure everywhere. By making pressure with the thumb from below upwards in the line of fossæ a good deal of the œdema may be squeezed away and the displaced tendons in some degree restor-I make, as a rule, five pads (of tow and lint or leather): two about four inches long by one inch wide (one a little shorter than the other, so as to be better adapted to the curve extending upward from the dorsum of the foot to the crest of the tibia); another shorter, broader and thinner, to place over the tibialis anticus and extensor proprius policis; and two, three or four inches long and bolster-shaped to fill in the posterior fossæ on each side of the tendo Achillis. It is often advisable, in old-standing cases, to supplement the pads by strips of plaster to ensure firmer pressure. Both pads and strips of plaster should be made exactly to fit, as. if too large, they are useless, from the pressure being too diffused; and, if too small, they exercise too little pressure. A moment's consideration will render this obvious. If too large a pad, for instance, be placed over the outer postmalleolar fossæ, its edges rest on the tendo Achillis and outer malleolus like the pears of an arch, leaving the fossæ itself untouched. To keep these pads in their place, I use a long extended half-moonshaped piece of plaster (emplastrum saponis spread on leather), long enough for the ends to overlap in front when the heel is placed in the center, and a narrow oblong piece above this, placed round the lower part of the leg, to cover the upper part The handiest way to apply the pads of the pads. is to place an India-rubber band above the ankle, to slip the pads under it, and then, planting the heel in the center of the curved plaster, to bring the two ends across the front of the joint so as to The pads having been secured in position, the elastic ring is to be cut, and the oblong piece of plaster put on so as to encircle their