may remain pent up for an indefinite period; the soft parts I concluded that there must be an abscess in the centre of will stretch, bones will not, and the consequence is, that an the bone, and applied the trephine to the tender spot. I used abscess situated in the latter is attended with much greater the common trephine made for injuries of the head, which, pain than that which occurs in the former. The patient's having a projecting rim or shoulder, would penetrate only to sufferings are consequently more severe, and they are pro- a certain depth. However, it enabled me to remove a piece tracted for a very much longer period.

which my knowledge of it is founded.

years of age, under the following circumstances:-

the tibia, but the ankle-joint admitted of every motion, and matter.
was apparently sound. The skin was thin, tense, and closelealing
ly adherent to the periodent. There was constant pain in the discer-There was constant pain in the disease. ly adherent to the periosteum. the part, generally of a moderate character, but every now and then it became excruciating, keeping the patient awake had an enlargement of the lower end of the tibia. He sufat night, and confining him to the house for many successive fered constant pain, but every two or three weeks there was days. It made his life miserable, and his nervous system iran exacerbation of it, and it was then very excruciating, almitable: one effect of which was that it spoiled his temper, and thus produced another set of symptoms in addition to three hours; sometimes one or two days. This patient when those which were the direct consequences of the local ma- he came under my care was 34 years of age; he traced the lady. The disease had been going on for 12 years. He had disease back for eighteen years, and stated that it began in consulted a number of surgeons respecting it, and had used a the following manner:—On going to bed one evening, he vast variety of remedies, but had never derived benefit from felt a sudden pain in or just above the ankle-joint; the next anything that was done. Instead of getting better, he every day there was a swelling in this situation, he was laid up year became so much worse. I tried some remedies without with inflammation, and two abscesses burst in succession, but any advantage, and at last recommended that he should lose afterwards healed. He continued well for some considerable the limb. tibia is now on the table. You will see how much the lower times there were several months during which he was quite end of it is enlarged, and that the surface of it presents marks of great vascularity. The hone in the preparation is divided diagnosis, as I shall show you presently.) After some years, longitudinally, and just above the articulating surface there however, the pain was never absent, and he got into the is a cavity as large as a small chesnut. This cavity was state in which he was when he sought my advice. filled with dark coloured pus. The inner surface of it is amining the ankle I found the tibia considerably enlarged. smooth. The bone immediately surrounding it is harder than natural. The examination of the limb explained all the spot on the inside of the bone, that seemed to indicate the symptoms: there was an abscess of the tibia, stretching the seat of an abscess. I applied a trephine here, and penetrated bone in which it was formed, or rather, if I may use the ex- into a cavity large enough to receive the end of the finger. pression, trying to stretch it, and thus causing the violent pain which the patient suffered. On observing these appearances, I could not help saying, that if we had known the tender, so that he could not bear the introduction of the finreal state of the disease, the limb might have been saved. A ger, or even of a probe. trephine would have made an opening in the tibia, and have good deal of inflammation in the neighbourhood of the part let out the matter. It would have been merely applying the treatment here that we adopt in the case of abscess elsewhere. You open a painful abscess of the arm with a lancet, low the ankle, and then the inflammation subsided. The you cannot open an abscess of the bone with a lancet, but opening made by the trephine became filled up with granuyou may do so with a trephine.

About two years after the occurrence of this case, I was many years ago. I have seen the patient eve consulted by another patient, 23 years of age, who had an then since, and he has continued perfectly well. enlargement of the upper end of the tibia, extending to some distance below the knee. He suffered a great deal of pain, hospital. One was a boy, who had a considerable enlarge-the part was very tender, and there were all the symptoms ment of the lower end of the tibia, attended with a great of chronic periostitis. I made an incision over the part, dividing everything down to the bone, and found the perios- an ounce of matter. The other was a man, whose case I teum very much thickened. There was a new deposit of will give you a little more in detail. His name was Mowbone under the periosteum, softer than the bone of original bray, and he was admitted in October 1838, being then 24 formation. This operation, as in other cases of chronic periostitis, relieved the tension and the pain, and the patient the tibia, extending to the distance of 21 inches below the was supposed to be cured. However, about a year after-knee. The circumference of the leg at this part was about wards, in August 1827, there was a recurrence of the pain; an inch more than that of the leg of the other side. the enlargement of the tibia, which had in some degree sub- skin over the enlarged bone was tense, and there was a blush sided, returned, and it continued to increase. In the enlarg- of dark redness on the inside. He said that six years ago ed tibia there was one spot a little below the knee, where there took place some enlargement of the head of the tibia, there was exceeding tenderness on pressure. I need not de-attended with a dull pain. Leeches were applied, and some scribe the symptoms more particularly; it is sufficient to say, other treatment was had recourse to; I know not what. The that they bore a very close resemblance to those in the last pain continued for about six months, it then subsided, and he case; the only difference being that, as the disease had been became quite free from it, until about three months before he

But there are these points of difference—an abscess formed in of shorter duration, the pain was less severe, and that the a bone cannot very readily come to the surface, so that it tibia was affected in the upper instead of the lower extremity. of bone of sufficient thickness to expose the cancellous struc-I am not aware that I can explain to you better what I ture. Then with a chisel I removed some more of the bone. know on the subject, than by relating some of the cases on Presently there was a flow of pus in such quantity as comwhich my knowledge of it is founded.

pletely to fill the opening made by the trephine and the In the year 1824, I was consulted by a young man, 24 chisel. It seemed as if the bone had been, to a certain extent, kept on the stretch by the abscess, and that, as soon as There was a considerable enlargement of the lower end of an opening was made into it, it contracted and forced up the e tibia, but the ankle-joint admitted of every motion, and matter. The patient was well from that time; the wound healing very favourably, and he has never had any return of

Some time after this I was consulted by a gentleman who Mr. Travers saw him with me, and agreed in this time, and then he was again seized with pain in the ankle. Amputation was performed, and the amputated This pain was not constant, but occurred at intervals. Some well. (These points are worthy of notice with respect to the The motion of the joint was perfect, but there was one tender There gushed out a quantity of matter, perhaps a drachm, or The inner surface of the cavity was exceedingly more. On the following day there was a in which the operation was performed; in the course of a few days an abscess formed, which burst externally just belations, and the wound healed favourably. This took place many years ago. I have seen the patient every now and

I have had two cases of this kind under my care in this deal of pain. I trephined the bone, and let out nearly half years of age. He had an enlargement of the upper end of