

perature of the Ward, the superficial veins are seen as thin hard cords, which can be rolled from side to side under the finger. On applying heat in the form of a hot air bath, this appearance completely disappears and the veins present a normal aspect. The arteries are not thicker than they should be, but the arterial pressure is rather high, reaching 140 mm. Hg. during systole; his pulse is regular and equal, and the rate moderate. No abnormal appearances can be detected in the praecordia, the apex beat is in the fifth intercostal space, three inches from mid-sternum, the right border of the heart is $1\frac{1}{4}$ inches, and the left border $3\frac{1}{2}$ inches from mid-sternum.

The blood obtained from the ear contains 5,250,000 erythrocytes, 9,800 leucocytes, and 105 per cent. haemoglobin; that obtained from the finger has 5,400,000 reds, 12,000 whites, and 108 per cent. haemoglobin.

The respiratory system has absolutely no abnormalities, except that the breath sounds are somewhat harsher than usual for the right apex.

The renal secretion is perfectly normal in every respect.

The most striking feature about this case was the existence of such a definite contraction of the veins. In consequence of the variations of the appearances under the influence of heat and cold, it could not be doubted that a spasm of the muscular wall was the cause of the varying size. Barlow (*) has described a moniliform appearance of the veins in cases of Raynaud's Disease, but with that exception no definite venous changes have heretofore been known to me.

The patient was treated by means of absolute rest and careful dieting, along with massage, electricity, thyroid extract, and the nitrites for some weeks. As no benefit accrued in consequence of these means of treatment, it seemed to me that it would be advisable to proceed to some other methods, and as gastric dilatation with Raynaud's Disease might possibly be dependent upon the re-

*A System of Medicine by many Writers, edited by T. Clifford Allbutt, Vol. VI., p. 582, 1899.