note. Heart normal. Aorta and its branches not atheromatous. Kidneys not fibroid.

Microscopical Examination.—In fresh teased portions of the patches from the brain there is seen: 1. A matrix, composed of extremely delicate fibres, closely interlaced with each other and forming a dense felt-work, the appearance of which resembles a bit of compact areolar tissue. The fibrils are of uniform size, somewhat wavy in their course, and here and there can be traced in connection with elongated fibre cells. 2. Corpuscles, scattered irregularly through the tissue, chiefly of a rounded form, about the size of colourless blood corpuscles, with granular protoplasm and a single nucleus; some are oval, and have a more translucent protoplasm. 3. Medullated nerve fibres occurring here and there in the matrix, usually two or three being seen in each field of the No. 7 (Hartnack). They are irregular, often broken into short bits, with the medulla coagulated. Towards the periphery of the patches they are more numerous. Some of them can be seen embraced by numerous small fibrils, crossing and interlacing upon the medulla, and forming a miniature basket-work about the fibre. Myelin droplets also occur. 4. Small arteries and capillaries, the former with extensive fatty infiltration of the adventitia, and here and there pigmentary deposition; the latter with numerous minute oil droplets imbedded in the walls.

Sections of the patches stained in hæmatoxylin or picro-carmine show a very loose arrangement of the tissue in the central part, often only a few bundles of fibres, with a blood-vessel or two, crossing and dividing a large central space. In small ones this gives an alveolated appearance to the patch; in larger ones, there appears to be a definite loss of substance in the centre, the delicate trabeculæ having been torn in the section. The same elements are seen as in the teased bits, but the cells are brought out more prominently by the staining, and appear more numerous. In the wavy bundles of fibres crossing the central part of the small patches the fibres seem larger. The blood-vessels are numerous, full of corpuscles; many of them are fatty; in others, particularly the larger ones, there is