

white patches they formed almost the only elements in the field, in others the liver cells were present in abundance mingled with the former. Irregular cells filled with yellow granules constituted the sole remains of liver structure in some places, while in others the cells were not so much degenerated, but a little irregular from pressure. Many possessed double nuclei. Some irregular shaped connective tissue corpuscles were found in these specimens. In the more natural looking liver areas the cells were found in a healthy condition, not at all fatty, and with very little granular matter. In these portions leucocytes were also found but in greatly diminished numbers.

Cut sections (made after hardening the organ in Müller's fluid and alcohol) are exceedingly instructive with regard to the distribution of the leucocytes. Thin sections of healthy uninjected liver, when cut transversely to the central veins of the lobules, show elongated cords or columns of hepatic cells converging towards the openings of the central veins, with very little intervening space between contiguous columns. Similarly in a section parallel to the central vein these columns appear cut across and are seen to unite with neighbouring columns, small empty spaces representing the position occupied by the vessels, existing between them. In this leukæmic liver an extensive infiltration of leucocytes existed between the columns of liver cells, and formed the essence of the disease in the organ. In some situations they were few in number and the surrounding liver substance was little effected, in others wide areas filled with them were seen between thin atrophied cords of hepatic cells. A still further change was seen in many places; atrophied remnants of liver cells occurred interspersed in a tissue made up of leucocytes, surrounded by a finely granular or fibrillar matrix. Indeed, so closely were the leucocytes set together, and so scanty the remnants of liver substance, that in spots it looked like a tissue infiltrated by a malignant growth—a small cell Sarcoma. Of all organs the liver is the most frequently