

tanning, in the preparation of tanning and dye-wood extracts, in paper-making, in sugar refining, in brewing and distilling, in ice manufacture and for alimentary preparations are all referred to, and the special requirements stated.

The question of the general purification of water by chemical treatment, by filtration and sterilization is also treated, although somewhat from the standpoint of French methods and with very little mention of the experimental work done in England and Germany.

The treatment and purification of waste waters from various industrial operations is then discussed, mention being made specially of the waste-waters from beet-sugar refineries, from dye works, and from works yielding soapy or greasy residual waters. The recovery of glycerine from the soap-maker's waste lyes is also referred to. This section is, however, not so broadly conceived or handled as is done in König's well-known work: "Die Verunreinigung der Gewässer, deren schädlichen Folgen, sowie die Reinigung von Trink und Schmutz wasser," the second edition of which appeared last year in two volumes.

The chemical analysis of water, both qualitative and quantitative, forms the subject of the last section of the work and is reasonably full, although not comparable with books like Tiemann-Gärtner, and special American works on this branch.

The book, however, in the compass of 496 pages, covers a wide range of topics and on the whole, quite satisfactorily.

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