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Referring to *Pinus Strobus.* Trelease.

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The author, under the direction of Prof. O. Loew, made a study on the chemical properties of „Kaki-shibu", the juice of the unripe fruit of the „Kaki"-tree (*Diospyros Kaki* L.) This juice is largely used in Japan for the preservation of various materials, such as fish-nets, fish-lines, packing-papers, wooden vessels etc. After describing the chemical treatment, the author concludes that" the technical value of Kaki-shibu is due to its containing a peculiar tannin which in some respects differs from all other kinds of tannin known, since it is insoluble in alcohol and water, and soluble in dilute acid; this tannin becomes insoluble when the volatile acid of the Kaki-shibu evaporates, and the insoluble film thus formed protects fibrous objects against mechanical wear and tear. A partial oxidation in contact with air improves the qualities of the film. This film also diminishes the water absorbing capacity of such fibrous materials as paper and strings, and thus diminishes the chances of attacks from fungi." K. Okamuro.

Nachtrag.

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