

*Studies under Way and Investigations.*

Altogether over thirty major investigations are in progress. These include: Sawmills and wood-waste survey; introduction of shop grades into New Zealand grading rules; wood requirements of wood-using secondary industries; statistical survey of sawmilling industry; woods for butter-boxes; uses for short lengths of timber; standardization of sizes, grades, and nomenclature for yard timber; utilization of little-used species; study of floating properties of New Zealand woods; physical properties of wood; air-seasoning of wood; basic mechanical properties of woods grown in New Zealand; grading rules and working-stresses for structural timbers; cross-arm tests; routine strength tests of plywood; test of box-bindings; study of nail-holding power of New Zealand woods; treatment of wood by non-pressure process; treatment of wood by pressure process; service-test records; routine examinations of wood-preservatives; the pulping of thinnings from Rotorua plantations; suitability of New Zealand woods for pulp; microscopic structure of woods; kauri-bleeding; relation between durability and the chemical composition of woods; destructive distillation of native and exotic woods; prevention of sap-stains and moulds on timber; relative resistance of untreated woods to borer-attack; relative resistance of untreated woods to decay; introduction of forest and timber insects and fungi in imported forest products.

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