

The preliminary work, which consisted of a thorough study of the theory and literature of the subject, was completed. A field study of kiln-drying practice at Canadian wood-working factories was begun and will be continued. This is to be followed by investigative and demonstration work at the Laboratories, which will involve the designing and construction of a kiln.

Water-Storage of Groundwood Pulp. Object: To determine whether the decay which frequently occurs in stored pulp, and is the cause of serious monetary loss, can be prevented by storage in water and, if so, whether the pulp thus stored is otherwise adversely affected for paper manufacture.

Groundwood pulp secured from various pulp mills has been stored in water for periods varying from two to three years. Paper made from these pulps was tested and compared with paper made from similar pulps newly manufactured and the results demonstrated that pulp can be stored under water for considerable periods without deterioration. The results of this investigation have already been brought to the attention of the industry and have attracted considerable attention. Semi-commercial and commercial trials are to be undertaken.

Decay of Timber in Buildings. Object: To secure exact and detailed information as to the conditions which facilitate the action of