

with the Technical Association of the Pulp and Paper Industry (U.S.) a material advance towards the standardization of methods was made.

#### DIVISION OF TIMBER PHYSICS

The following major investigations were conducted by this division:

Preparation of Reference Collection of Microscopic Slides of Woods.

Object: To build up a collection of authentic microscope slides of the important commercial timbers of the world and of photomicrographs illustrative of anatomical features. Such a collection will be invaluable for research purposes as an intimate knowledge of the minute structure of woods is the key to innumerable problems encountered in their industrial use.

The work was continued from the preceding year and all Canadian timbers of any commercial importance have now been dealt with, together with a number of the more widely used foreign timbers. The work will be continued.

Ply and Laminated Construction. Object: To extend the field of application of the built-up type of construction, to add to technical knowledge on the subject and to draw the attention of industry to the latent possibilities in this connection which are, as yet, inadequately recognized.

Greater strength, freedom from warping, less waste in