

manufacturing and (frequently) reduced weight are advantages often presented by built-up articles. The additions to our knowledge of adhesives which have been made in recent years have an important bearing on the strength and permanence attainable in built-up work. The work on adhesives which has been carried on by the Division of Timber Tests (See "Glued Joints", below) was therefore taken advantage of in this connection.

Attention was first given to sporting goods of which large quantities are imported into Canada. A laminated ski and a built-up tennis racquet were developed, service tests of the former carried out and those on the latter begun. The results were decidedly encouraging and commercial production on a small scale is expected to be begun by a Canadian firm sometime during the present year (1923). Further work on these articles, including strength tests on the skis, remains to be done following which other built-up products will be investigated.

Kiln-Drying. Object: To investigate the scientific principles involved in kiln-drying and to improve present kiln-drying practice.

The high percentage of loss in present day kiln-drying practice is serious and can be largely overcome by the dissemination of sound technical information and by demonstrations of the best modern practice and appliances.