

CC: K. R. Chadwick
V. G. DeReus

Ilion, New York
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R. A. WILLIAMSON

TRIP REPORT - MARSHALL LABORATORY - FEB. 15, 1967

In attendance: L. Fox - Ilion
Dr. L. F. Nonemaker, Research Supervisor
W. Schneller, Development Staff Chemist
W. I. Kyle, Technical Coordinator
D. Gray, Sales Representative

The DuPont nitro-cellulose lacquer system used on many of the Remington walnut gunstocks has poor weathering properties and is causing increasing customer complaints. A joint development with Thompson and Company (Benjamin Moore) has yielded a catalyzed lacquer which has slightly higher gloss, equivalent wear and scratch resistance and improved weatherability. While the DuPont Finishes Division is aware of this development, a meeting was arranged at the Marshall Laboratory to evaluate alternative DuPont finishes and the Benjamin Moore lacquer.

It was agreed that, at present, DuPont has only two finishes with properties comparable to the Benjamin Moore lacquer and compatible with the Ilion processing equipment. Therefore, Ilion and the Marshall Laboratory will compare these two finishes and the Benjamin Moore lacquer:

- . Regular paste wood filler and uraa-formaldehyde-alkyd finish
- . Improved wood filler and regular nitro-cellulose lacquer
- . Regular paste wood filler and Benjamin Moore catalyzed lacquer