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EXHIBIT OF SAMPLES OF GLASS SHOWING FILMING

By W. H. WITHEY, B.A.

(From the National Physical Laboratory)

Exhibited, 14th November, 1918

THE samples of optical glass exhibited were tested and classified in December, 1916, by exposing the broken surfaces to a moist atmosphere at 18° C. for one week and estimating by means of iodeosin the alkali liberated. Nos. 1, 2, 4, and 5 gave excellent results, whilst No. 3 was very distinctly inferior (H_2). Since December, 1916, the specimens of glass have been exposed to the weather on an open roof. The result of the test is that No. 3 is now distinctly the best, No. 4 comes next, No. 1 is almost as good, while No. 2, which previously gave results equal to No. 1, is seriously tarnished. Nos. 1 and 2 are of similar composition, as are Nos. 4 and 5.

The conclusion to be drawn is that the iodeosin test alone does not seem to be sufficient from the point of view of filming, and other tests seem to be desirable.