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.257 CAL. ALUMINUM RIFLE BARRELS

Two aluminum barrels of an alloy supplied by George C. Sullivan, and hard coated by him, and a 75 ST barrel hard coated at Remington have been test fired.

The initial test requested was for an accuracy evaluation. This test was cancelled because our test unit reported that the rifles would not even hit the target paper. An endurance test on these three barrels was then requested. This test was to consist of endurance testing with visual and air gage inspections at frequent intervals.

Following two hundred rounds the cases became harder to withdraw from the chamber. After 500 rounds the bore had opened in diameter enough to allow the air gage to spin without touching the bore. A .257 bullet was loose in the bore. The above was true of all three guns.

Because of the very low endurance life of these barrels all work is being discontinued on them.

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