Ilion, New York July 8, 1955

E. K. WHEAT

-257 CAL. ALUMINUM RIFLE BARRALS

Two diminum berrels 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 rage inspections at frequent intervals.

following two hundred rounds the cases became harger to withdraw from the hasber. After 500 rounds the bore had opened in dismeter enough to allow he air gage to spin without touching the bors. A .257 bullet was loose a the bore. The above was true of all three guns.

seause of the very low endurance life of these barrels all work is being scontinued on them.

C. W. Step

C. V. Stephen Research Engineer PROCESS RESEARCH SECTION

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