

EXHIBIT # 11

5 INCH ANTI-AIRCRAFT GUN

USA

The 5 inch mount Mk 39 is a single, enclosed, base-ring type mount for one 5 inch 54-caliber gun. The mount is operated by manual drive, or power-driven in local or remote control. The mount was installed on aircraft carriers and auxiliary ships. Our example doesn't have the variable protective shield housing, so all of its features can be seen. This is one of 18 that were installed on Midway-class carriers in the 1940s. This one was specifically on the USS Franklin D. Roosevelt, the only Midway-class carrier to carry 5 inch 54 caliber guns, and was later scrapped on the East Coast of the USA. The gun is a cylindrical, monolock, radically expanded steel forging, bored rifled and chambered. It is designed for semi-fixed ammunition and for cold assembly in a breech housing. Its operation is semi-automatic in either of two alternate methods: single round fire or rapid automatic fire. Either way, the recoil of the gun was powerful enough to knock around any sailors who weren't secured inside the housing.

DATA

Weight: 73,900 to 82,375 lbs.

Elevation: 86+ degrees

Depression: - 10 degrees

Muzzle Velocity: 2,500 + ft. per sec.

Maximum range at 45 degrees elevation: 25,183 yds

Maximum altitude at 85 degrees elevation: 45,557 ft.

