

Ballistics tests on M-C Rifle (CE 139), bullets, fragments, and shells

| Subject | Test | Details | Sources/Cites | Location of materials/working papers |
|-----------------|--------------------------|---|-------------------------------|--------------------------------------|
| MC/CE 139 | barrel width | FBI test/sulphur cast & micrometer | Frazier, 3H392 | NARA/FBI labs? |
| MC/CE 139 | scope mount | FBI comparison w/purchased rifle from Kleins C-250/CE 542 | Frazier, 3H396 | NARA? |
| MC/CE 139 | accuracy/scope | FBI tests (3), 11/27/63(2), 3/16/64(1) | Frazier, 3H402ff | NARA/FBI labs? |
| MC/CE 139 | accuracy | Army Ballistics Research Laboratory | Frazier, 3H412, Simmons 3H441 | |
| MC/CE 139 | Muzzle velocity | FBI test at Naval Research Lab on Dec. 2, 1963 | Frazier, 3H400ff | NARA/FBI labs? |
| MC/CE 139 | cartridge ejection | FBI conducted two tests on pattern of cartridge case ejection | Frazier, 3H401; CE 546, 547 | |
| cartridge cases | identification | FBI, Determine whether shells found at TSBD were fired by MC/CE 139 | Frazier, 3H414 | |
| CE399 | identification/ weigh | FBI, Determine whether bullet was fired from MC/CE 139 | Frazier, 3H428 | |
| CE 567 | identification/ weigh | FBI, Determine whether the bullet fragment in limo was fired from MC/CE 139 | Frazier, 3H432 | NARA? |
| CE 569 | identification/ weigh | FBI, Determine whether the bullet fragment in limo was fired from MC/CE139 | Frazier, 3H435 | NARA? |
| CE 572 | | | | |
| CE 573 | identification | FBI, Determine whether the walker bullet was fired from MC/CE 139 | Frazier, 3H 439 | |
| MC/CE139 | Accuracy/ | Round to round dispersion to | Simmons, 3H442 | |

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Identification is the use of microscopes to make comparison of microscopic markings on casings/slugs and determine if they originated from same weapon.

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