

Specimen Q2 is a portion of the core of a rifle bullet. Specimen Q2 weighs 44.6 grains and is composed of a portion of the copper alloy jacket and a portion of the lead core. Specimen Q3 is a portion of the base section of a copper alloy rifle bullet. Q3 weighs 21.0 grains and is composed of a section of the jacket from which the lead core is missing. It could not be determined whether specimens Q2 and Q3 are portions of the same bullet or are portions of two separate bullets.

The rifle, K1, is a 6.5 millimeter Mannlicher-Carcano Italian military rifle Model 91/38. Test bullets were fired from this rifle for comparison with specimens Q1, Q2 and Q3. As a result, Q1, Q2 and Q3 were identified as having been fired from the submitted rifle.

Specimens Q6 and Q7 are 6.5 millimeter Mannlicher-Carcano cartridge cases. They were manufactured by the Western Cartridge Company, East Alton, Illinois, as was the 6.5 millimeter Mannlicher-Carcano cartridge, Q8.

Test cartridge cases obtained from the submitted rifle were compared with specimens Q6 and Q7. As a result, specimens Q6 and Q7 were identified as having been fired in this rifle. The bullet, Q13, from Officer Tippett, is a .38 Special copper-coated lead bullet. Q13 weighs 156.6 grains and possesses the physical characteristics of 158 grain Western-Winchester revolver bullets. The surface of Q13 is so badly mutilated that there are not sufficient individual microscopic characteristics present for identification purposes. It was determined, however, that the .38 Special Smith and Wesson revolver, K3, is among those weapons which produce general rifling impressions of the type found on Q13.

The lead metal of Q4 and Q5, Q9, Q14 and Q15 is similar to the lead of the core of the bullet fragment, Q2.

A small tuft of textile fibers was found adhering to a jagged area on the left side of the metal butt plate on the K1 gun. Included in this tuft of fibers were gray-black, dark blue and orange-yellow cotton fibers which match in microscopic characteristics the gray-black, dark blue and orange-yellow cotton fibers composing the Q11 shirt of the suspect. These fibers could have originated from this shirt.

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