

to the left. There is fracturing about the entrance and extensive fractures as it strikes the left occipitoparietal bone. It is recovered in this region, 3 inches to the left of the midline and approximately 1 inch from the top of the head. Examination of the brain is made. The brain weighs 1350 gm. The course of the missile through the brain is followed. It is found to enter the right temporal lobe, coursed through the brain transecting the brain stem, severing the cerebral peduncles surrounded by extensive hemorrhage, and found to exit from the brain substance in the calcarine gyrus to the left of the midline. There are penetrations of the meninges in the regions described. Examination of the brain is otherwise not remarkable.

The abdominal panniculus measures up to $7/8$ of an inch. The organs are in the normal position. Examination of the serous cavities is made. There is found to be extensive peritoneal hemorrhage, approximately 300 cc. In the right pleural space there is in excess of 1000 cc. of blood.

THE COURSES OF THE MISSILES ARE FOLLOWED. The wound described as No. 2 is found to go between the second and third rib. The missile is found to penetrate the anterior edge of the right upper lobe. The bullet is found to go into the pericardial sac, there is extensive hemorrhage in the pericardial sac, approximately 4 ounces. Passes through the superior vena cava. It exits into the mediastinum, strikes the fourth thoracic vertebra to the left of the midline, courses in the substance of the vertebra and is recovered slightly to the left of the vertebra approximately 16 inches from the top of the head, having pursued a course very slightly upward, to the left, and backwards.

Wound No. 3 is found to penetrate the chest wall as externally described, is surrounded by hemorrhage, notching the dorsum of the sixth rib slightly lateral to the costochondral junction. It penetrates the anterior edge of the right lower lobe of the lung, the diaphragm, penetrates the liver, the entrance wound to the liver and laceration which is approximately 3×2.5 cm. It pursues a course backward, upward, and to the left and is recovered from the soft tissue of the back, $16\frac{1}{2}$ inches from the top of the head and $3/4$ of an inch to the right of the midline. In its course it is also found to again penetrate the diaphragm after going through the liver and penetrates the posterior aspect of the right lower lobe.

Wound No. 4 is examined. It is found to be superficial and no penetration of the rib cage is noted. There is hemorrhage beneath the abraded and bruised area adjacent to the wound. No missiles are present in this area.

LUNGS: The lungs together weigh 1200 gm. The penetrations of the lung have previously been described. There are areas of atelectasis and along the courses of the bullet through the lung there is extensive hemorrhage.

LIVER: The liver weighs 1670 gm. The penetrations of the liver have previously been described. The cut surface of the liver is not remarkable.

GALLBLADDER & BILIARY TREES: Not remarkable.

PANCREAS: Not remarkable.

KIDNEYS: The kidneys together weigh 350 gm. The capsule strips quite easily and they are pale.

ADRENALS: Not remarkable.