Place the gun at the (lecturer's) extreme right end of the lecture table, the ballistic pendulum 3 to 4 feet from the end of the gun, and the shatter-proof glass between the pendulum and the students. (See WARNINGS.)

Release the bottom of the pendulum, level the pendulum so that the pointer at the bottom indicates zero, and set at zero the rider on the arc marked in degrees. Load the gun, carefully aim it at the pendulum, release the safety lock, and fire. Note the angle through which the pendulum moved, as shown by the new position of the rider.

If you wish to calculate the speed of the bullet, the pertinent data are approximately as follow. These data are also given on the base of the pendulum.

Radius of arc in which pendulum swings = 40 cm = 1.3 ft
Mass of pendulum = 1.4 kg = 0.096 slug
Mass of 22 long bullet = 1.9 gm = 1.3 x 10^-4 slug

WARNINGS: (1) Avoid any possibility of accident; handle the gun with care. As an added precaution it is advisable to set the pendulum slightly farther back on the lecture table than the gun, so that the flight of the bullet will be toward the wall of the room rather than toward the door. (2) Never move the ballistic pendulum without first securing the bottom in a fixed position by the threaded mechanism provided.