



Figure 74 - Inside Ball Turret

turret door is locked before turning main power and sight switches "ON."

### 3. PREFLIGHT CHECK.

- a. Turn power switch "ON."
- b. Turn sight switch "ON."
- c. Check response of azimuth and elevation mechanisms by manipulating the hand controls.

#### WARNING

Be sure that the guns are not driven down into the ground.

- d. Adjust reticle light on sight to desired brilliance (approximately).
- e. Work range foot pedal and observe if reticles move in response.
- f. Lift each gun cover plate and pull ammunition down, feeding first shell by hand into magazine of gun; then, close gun cover plates.

### 4. OPERATION.

- a. Load ammunition boxes. (See figure 71.) Enter turret.
- b. Turn on power switch.
- c. Turn on sight switch.
- d. Charge guns by pulling charging handles twice.
- e. Turn on fire selector switches.
- f. By means of hand controls track the target.
- g. Operate range foot pedal until reticles frame the target.
- h. Close either firing key.
- i. When ammunition is used up, charge guns at least twice to be sure that no live shells are left in the guns.

### 5. INTERPHONE.

A press-to-talk switch for inter-communication is located just in front of the gunner's right footrest.

### 6. SUIT HEATER.

A rheostat control is provided for use with the gunner's heated suit. It is located on the underneath side of the seat and is adjusted to obtain the desired temperature in the suit.

### 7. OXYGEN.

An oxygen regulator is provided on the inside of the ball turret on the right side. Refer to section VI, paragraph 4.c., for operation. Oxygen is supplied from the auxiliary cylinder above the turret. When the supply of this auxiliary cylinder is exhausted, it can be renewed from the airplane's main supply system.

### 8. ADJACENT EQUIPMENT.

- a. LIGHTING. - A dome light in the ceiling just aft of the turret support is operated by a switch to the right of the door to the radio compartment.
- b. EMERGENCY RADIO - SCR 578. - Some airplanes are provided with a completely independent emergency radio which is carried on the right rear side of bulkhead 6 beside the ball turret. Refer to section III, paragraph 14., for further instructions.
- c. FIRST-AID KIT. - A first-aid kit is clipped to the aft side of the bulkhead between the ball turret compartment and the radio compartment to the left of the door.