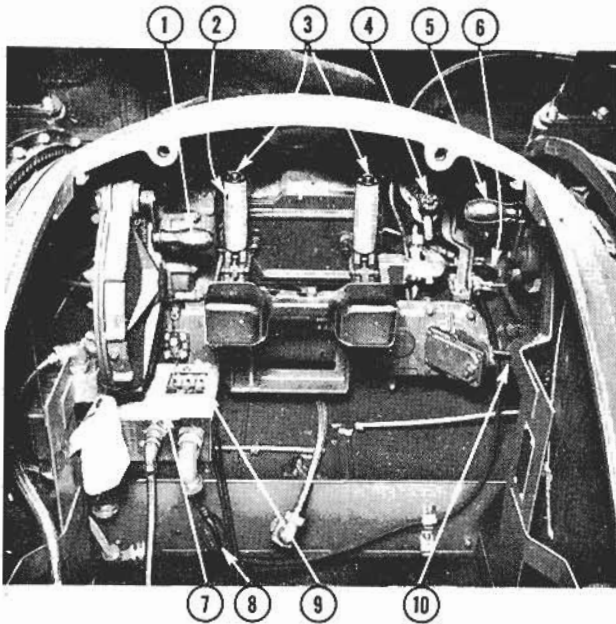
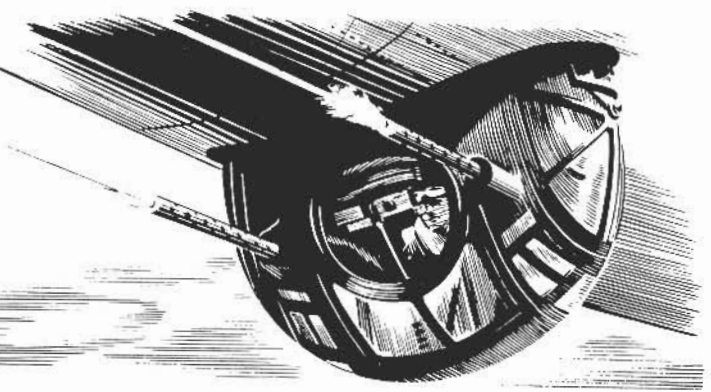


SECTION IX BALL TURRET



KEY TO FIGURE 70

- | | |
|------------------------|------------------------------|
| 1. ELEVATION HANDCRANK | 6. SPOT LIGHT |
| 2. HAND CONTROL GRIP | 7. ELECTRICAL SWITCH BOX |
| 3. FIRING SWITCHES | 8. SPOT LIGHT CONTROL SWITCH |
| 4. OXYGEN REGULATOR | 9. GUN SELECTOR SWITCHES |
| 5. AZIMUTH HANDCRANK | 10. ELEVATION POWER CLUTCH |

Figure 70 - Interior of Ball Turret

1. GENERAL.

a. A Sperry ball-type power turret, equipped with twin .50-caliber machine guns, is installed in the bottom of the fuselage aft of the radio compartment.

b. A hydraulic unit provides power for driving the turret in azimuth and elevation.

c. The hand control and limit unit controls the outputs of the azimuth and elevation hydraulic systems. A pair of handgrips controls the motion of the turret in azimuth and elevation. Each handgrip has a firing switch on the top end.

d. The switch box controls distribution of the electric power to the various units in the turret. The terminal block in the top left end of the box has convenient posts for connecting the leads of the gunner's head set and microphone.

2. ENTERING THE TURRET.

CAUTION

Do not attempt to rotate the turret in elevation while the airplane is on the ground. No crew member shall be in the turret during landing or take-off and the guns of the turret shall be in the horizontal position pointing aft.

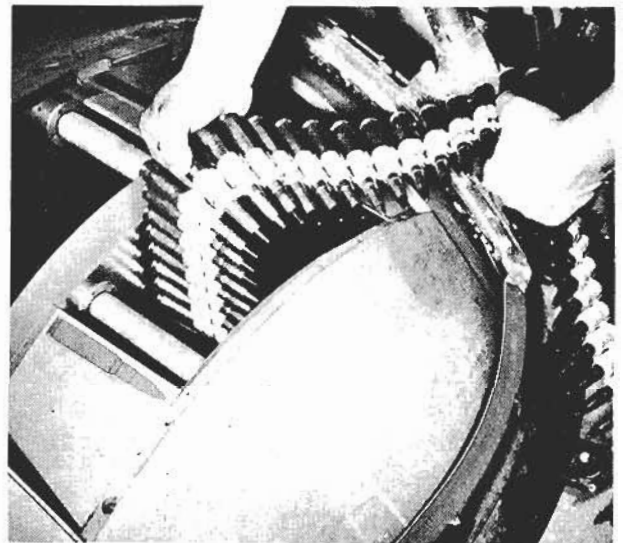


Figure 71 - Loading Ball Turret Ammunition Boxes