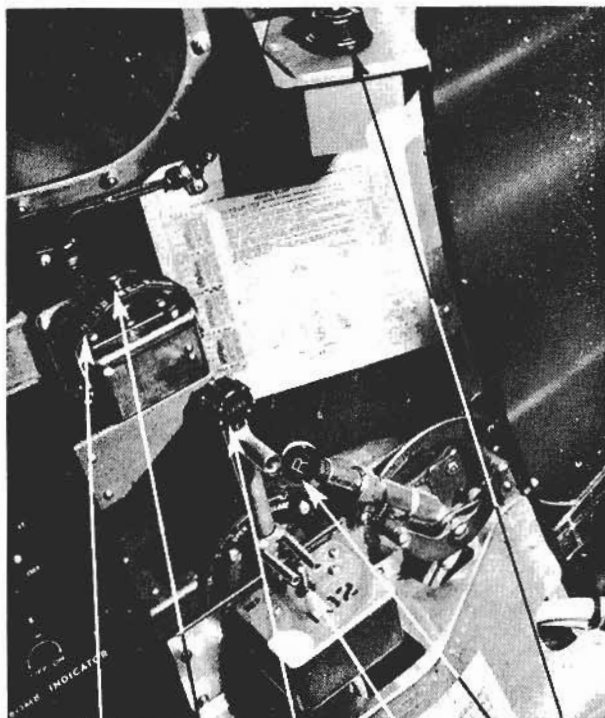
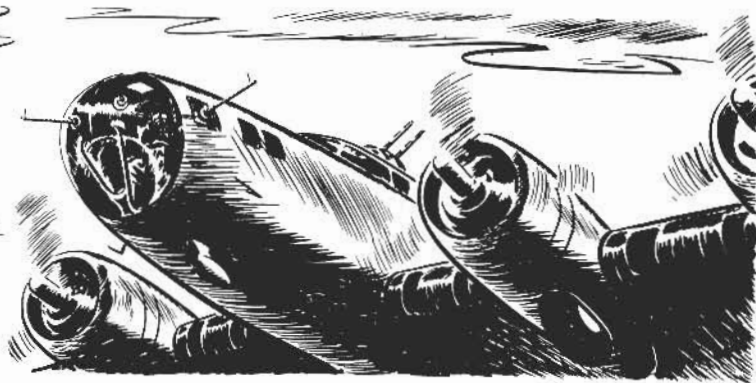


SECTION IV BOMBARDIER'S COMPARTMENT



KEY TO FIGURE 38

1. BOMB RELEASE SWITCH GUARD
2. BOMB RELEASE SWITCH
3. BOMB DOOR CONTROL HANDLE
4. BOMB DOOR SWITCH
5. BOMB RELEASE HANDLE
6. BOMBARDIER'S LIGHT SWITCH

Figure 38 - Bomb Controls

1. BOMB CONTROLS.

a. Bombs are normally released electrically, but can be released mechanically in an emergency. Electrical control provides for individual release of bombs either singly (selective) or continuously at predetermined intervals (train). Mechanical control is always in "SALVO," by operation of the bombardier's release handle or by operation of the emergency release handles. The bomb release handle has three positions.

(1) In the "LOCK" position the bomb racks are locked against any release of bombs except by means of the emergency release handles.

(2) In the "SELECTIVE" position the bomb racks are prepared for electrical release by manual operation of the release switch, or by automatic operation through the bomb sight.

(3) The "SALVO" position, when the bomb doors are open, mechanically releases all bombs simultaneously and unarmed.

b. The bombardier's release switch, mounted on the forward end of the control panel, operates in either direction to energize the release unit solenoids through the interval release control mechanism. A hinged guard prevents accidental operation of this switch.

c. The interval release control unit is mounted at the bottom of the bombardier's control panel and may be set to provide either "SELECT" or "TRAIN" release. On airplanes serial Nos. 42-5050 and on, four switches on the bombardier's control panel permit selection of any external or internal rack for electrical release. Two indicator lamps beside the rack selector switches correspond to the external racks. Two additional rack selector switches in the bomb bay permit elimination of either right or left bomb bay from the release circuit if bomb bay fuel tanks are carried. Bomb release sequence is given in figure 40. Any rack or combination of racks may be eliminated from the release sequence by turning off