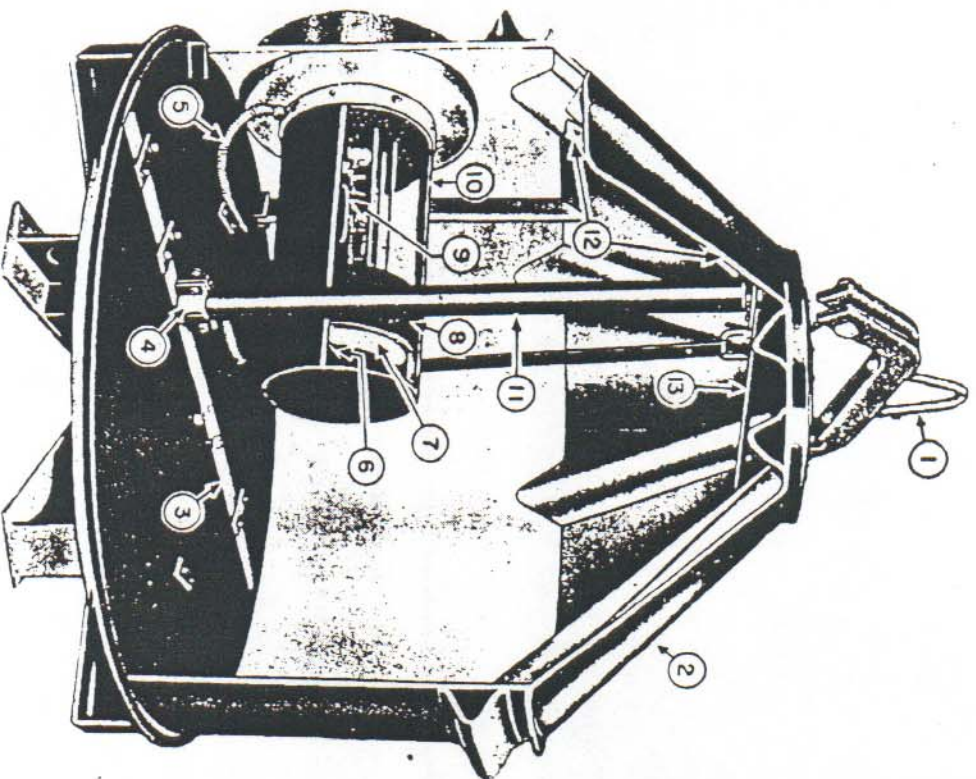


1. Mine case bail.
2. Top cover (48-inch coil rod).
3. Mine case M3A1.
4. Extension strap (48-inch coil rod).
5. Top strap (48-inch coil rod).
6. Coil rod, 48-inch.
7. Bottom strap, 57-inch.
8. Booster can.
9. Hair-rubber cushions for firing device.
10. Metal conduit and split clamp.
11. Blasting caps.
12. Firing device cylinder.
13. Side cover.
14. Cylinder.
15. Turkhead clamp.
16. Cover guard.
17. Sensitive relay of firing device.
18. Mine and firing relays of firing device.
19. Firing device mounting.
20. Desiccant container.
21. Hole for attaching raising rope.
22. 72-inch coil rod housing.
23. Mine case top cover (72-inch coil rod).
24. Coil rod lead opening (72-inch coil rod).
25. 72-inch coil rod.
26. Centering plug (72-inch coil rod).
27. Collector strap (72-inch coil rod).

Figure 5. Component parts of ground mine M4.

metal core of high magnetic permeability. When installed in a mine, the coil rod leads are connected to a galvanometer, known as the sensitive relay, in the firing device. The steel of a passing ship causes a change

of magnetic flux in the coil rod. This induces a voltage in the coil rod windings. This voltage, in turn, causes a current to flow in the coil rod circuit. This current operates the sensitive relay of the firing device.



1. Mine case bail.
2. Mine case M3A1.
3. Bottom strap.
4. Clamp.
5. Connector assembly conduit.
6. Blasting caps.
7. Booster can.
8. Hair-rubber cushions.
9. Firing device M5.
10. Cylinder.
11. 48-inch coil rod.
12. Top strap.
13. Extension strap.

Figure 6. Sectional view of ground mine M4.