

RESTRICTED

SECTION 12

EARTH SHOCK

1201. When a bomb explodes below the surface of the ground the gases formed expand rapidly. They not only move the earth bodily but also set up a series of shock waves through the earth and any object in contact with it.

Typical Effects of Earth Shock

1202. a. Underground pipes and cables broken.
b. Cracks in the ground surface.
c. Small rigid objects such as pill boxes moved bodily without suffering any structural damage but larger and less rigid structures badly damaged or completely collapsed.
d. Walls and roofs broken away from the main structures, afterwards collapsing or showing characteristic earth shock cracks (Fig 12-1).
e. In contrast to the effects of blast (Sec. 10, para 3, (a)) chimneys and similar external features are the first to suffer.

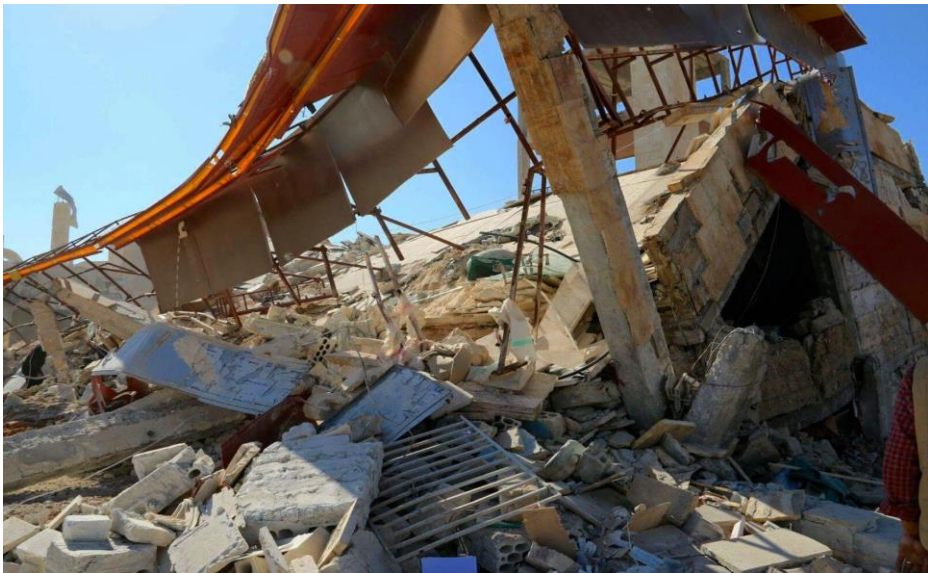


Fig 12-1: Typical Earth Shock Damage

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