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## GERMAN FIELD ARTILLERY AMMUNITION AND ITS EMPLOYMENT.

1. The attached translation of a German document contains full details of German Field Gun and Light Field Howitzer ammunition.

2. It will be observed that the table on page 4 indicates what the ammunition of the two guns will consist of when the present stocks of certain types of shell have been expended.

It should, therefore, be read in conjunction with the similar table (Ia/9701) translated and issued in October, 1915, as far as the obsolescent shell are concerned.

3. The most noteworthy points contained in this translation may be summarized as follows:—

(a) The abolition of the Universal Shell for both Field Gun and Light Field Howitzer.

(b) The re-introduction of a shrapnel for the Light Field Howitzer (the 1898 Pattern Shrapnel was superseded by the Universal Shell and has not, so far as is known, been used during the war).

(c) The abolition of the 1896 and 1914 Patterns Field Gun H.E. Shell and of the 1914 Pattern Light Field Howitzer H.E. Shell (all these shell have very small charges and are superseded by thin-walled H.E. shell with larger charges, viz., 2 lb. and 0·8 lb. for field gun and 4 lb. and 3·3 lb. for howitzer).

(d) The result of (a), (b) and (c) will be that both the Field Gun and the Light Field Howitzer will in future be equipped with four types of projectile, viz.:—

- an ordinary H.E. shell,
- a more powerful long shell (H.E.),
- a shrapnel,
- a gas shell,

in place of the present seven types for the gun and five for the howitzer.

(e) The introduction of an 8th charge for the Light Field Howitzer with a resulting increase in range, 7,000 metres (7,655 yards) instead of 6,300 metres (6,890 yards).

(f) The introduction of delay action percussion fuzes (*L.K.Z. 16 m.V.* and *K.Z. 16 m.V.*) for Field Gun H.E. shell. Shell fitted with these fuzes are intended for the destruction of targets which offer resistance (trenches, observation posts, dug-outs, houses, bridges, etc.), and for "ricochet fire" against living targets in the open or behind light cover.

(g) The introduction of the following new fuzes:—

- L.K.Z. 11 Gr.* (time and percussion).
- L.K.Z. 16 o.V.* (percussion with direct action).
- L.K.Z. 16 m.V.* (percussion with delay action),
- K.Z. 16 m.V.* (percussion with delay action).
- H.Z. 16* (percussion with or without delay action).
- H.Z. 05 Schr.* (time and percussion).

(h) The 7·7 cm. Anti-aircraft Gun will in future be equipped with the 1915 Pattern H.E. Shell, with *K.Z. 11 Gr.* fuze (time and percussion, graduated up to 7,200 metres or 7,874 yards), instead of the Universal Shell which has generally been employed hitherto.

GENERAL STAFF (INTELLIGENCE),  
GENERAL HEADQUARTERS.  
16th October, 1916.