

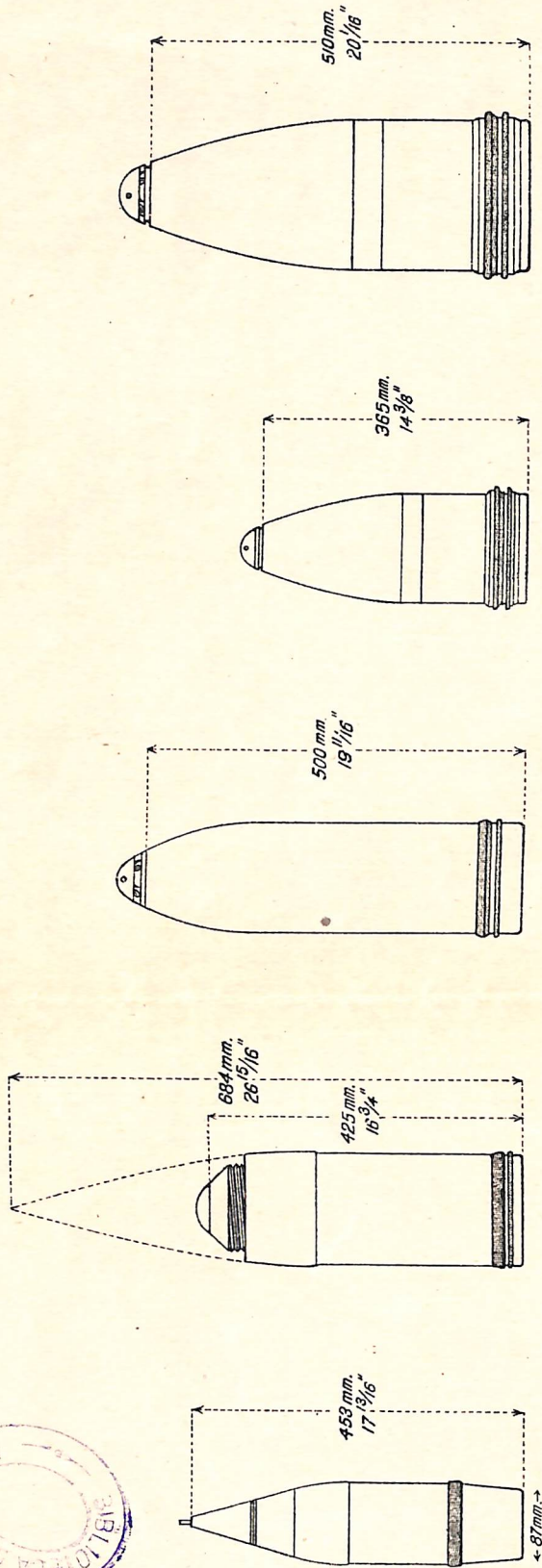
NEW PATTERNS OF GERMAN SHELL REQUIRED FOR INSPECTION.

Specimens should be forwarded to the Central Laboratory, B.E.F., through Divisional Gas Officers and Chemical Advisers of Corps and Armies.

Reference should also be made to "Notes on German Shells" [S.S. 420] and "Notes on German Fuzes" [S.S. 306] in order to avoid the reporting of shell of well-known patterns, which are not required.



HOWITZER SHELL.



Scale = $\frac{1}{10}$

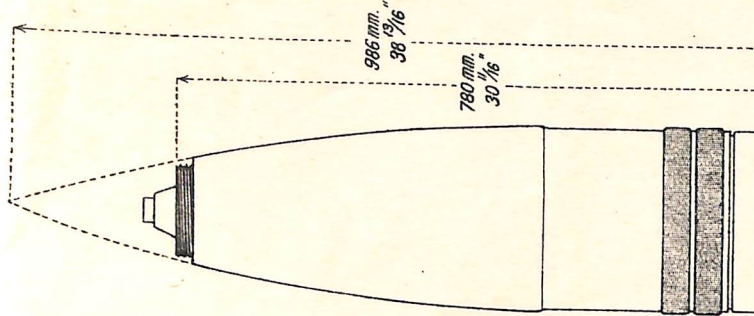
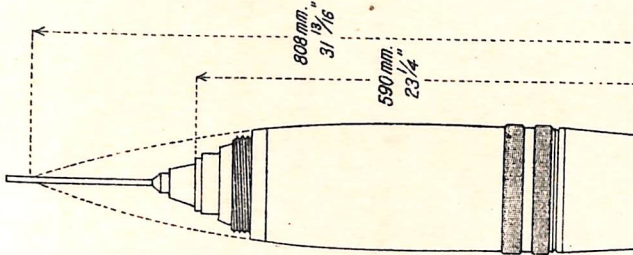
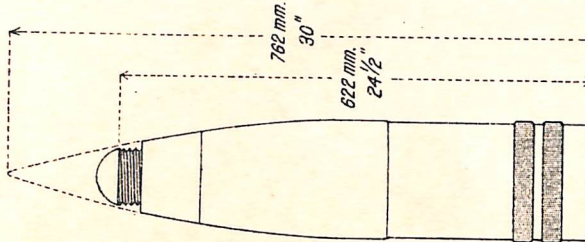
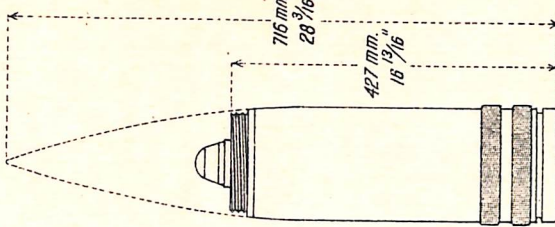
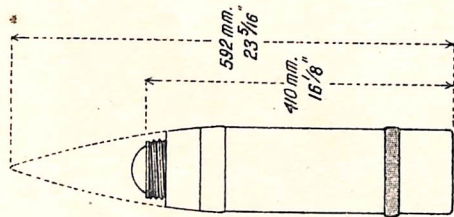
PARTICULARS.

Calibre	...	...	10.5-cm. (4.1-in.)	14.97-cm. (5.9-in.)	14.97-cm. (5.9-in.)	14.97-cm. (5.9-in.)	21.1-cm. (8.3-in.)
German designation	...	...	C— <i>Geschoss</i>	15 cm. Gr. 14 (<i>Haube</i>)	15 cm. Gr. 12 (<i>verst.</i>)	15 cm. Gr. 17	21 cm. Gr. 17 *
English equivalent	...	...	10.5-cm. streamline H.E.	1914 15-cm. H.E. with false cap	Short (?) 1912 15-cm. H.E.	1917 15-cm. H.E.	1917 21-cm. H.E.
Radius of head in calibres	...	...	...	7 c.r.h. (?)	2 c.r.h.	3 c.r.h. (?)	3 c.r.h. (?)
Colour	...	...	Grey	Grey	Black	Pinkish yellow	—
Weight	...	...	34 lbs.	93 lbs.	89 lbs.	64 lbs.	—
Marking on fuze	...	...	E.H.Z. 16 C	Gr. Z. 14 n/A.	Gr. Z. 04, or Gr. Z. 17, or Dopp. Z. 15 (<i>umg.</i>)	Gr. Z. 04, or Gr. Z. 14 n/A., or Gr. Z. 17, or Gr. Z. 92 n. F.	Gr. Z. 04/14 (?)
Howr. from which fired	...	...	1916 & Krupp light field hows.	Long 1913 heavy field howr.	All 15-cm. howrs.	All 15-cm. howrs.	1910 and long howrs.
Maximum range	...	...	10,500 and 11,210 yards	12,300 yards	At least 9,000 yards	At least 9,000 yards	At least 10,000 yards

DRIVING BANDS.—Most howitzer shell are now made with two driving bands. The broad upper band is of zinc and the narrow lower band of copper.

*It is not certain whether this shell is of the same type as the 1917 15-cm. shell.

GUN SHELL.



Scale = 1/16

PARTICULARS.

Calibre	...	...	10.5-cm. (4.1-in.)	14.97-cm. (5.9-in.)	17-cm. (6.8-in.)	23.6-cm. (9.3-in.)
German designation	...	...	10 cm. Gr. 15 (Haube) (?)	15 cm. Schr. (Haube) (?)	17 cm. Spgr. I/4.7 (Haube) (?)	24 cm. Spgr. I/4.1 (Haube) (?)
English equivalent	...	...	10-cm. H.E. with false cap	15-cm. shrapnel with false cap	17-cm. H.E. with false cap	24-cm. H.E. with false cap
Radius of head in calibres	...	...	10 c.r.h.	9 c.r.h.	8 c.r.h.	10 c.r.h.
Colour	...	...	Grey	Red, grey cap or all blue.	Red or yellow (?)	Yellow (?)
Weight	...	...	41 lbs.	113 lbs.	138 lbs.	138 lbs.
Marking on fuze	...	...	Gr. Z. 04	Dopp. Z. 16 o. Az.	Instantaneous fuze.	Two fuzes—Instantaneous fuze and Spgr. m. K. (?)
Gun from which fired	...	...	10-cm. guns	15-cm. guns (on wheeled mounting)	17-cm. naval guns (on wheeled, platform or railway mounting)	24-cm. naval guns (on platform or railway mounting)
Maximum range	...	...	14,300 yards	At least 18,500 yards	25,700 yards	29,000 yards

FUZES.—Gr. Z. 04 and Gr. Z. 04/14 are percussion fuzes which can be set for either delay or non-delay action; Gr. Z. 92 n. F. and Gr. Z. 14 n/A. have non-delay action only. Spgr. m. K. is the percussion base fuze used with all German naval shell of 21-cm. and larger calibre. E. H. Z. 16 C and Gr. Z. 17 are instantaneous fuzes. In the 17-cm. shell, the striker projects through the point of the cap. Dopp. Z. 15 (umg.) is a T. and P. fuze, graduated up to 41 secs.; it can also be set for either delay or non-delay action. Dopp. Z. 16 o. Az. is the latest pattern of clockwork time fuze; it has no percussion system.

General Staff (Intelligence),
General Headquarters.
28th July, 1918.