HANDBOOK OF ENEMY AMMUNITION

PAMPHLET No. 9

GERMAN TELERMINES, DEMOLITION CHARGES, FUZES AND GUN AMMUNITION OF CZECH ORIGIN.

ITALIAN FUZE, PRIMERS AND SHELL.

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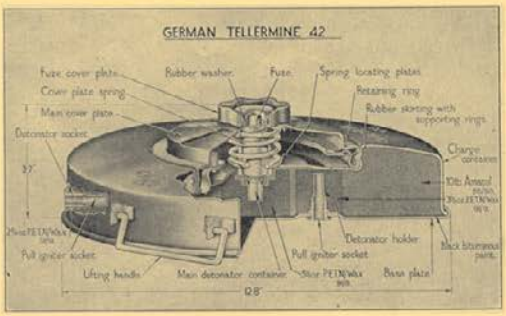
by Command of the Army Council

THE WAR OFFICE,
4th December, 1943.



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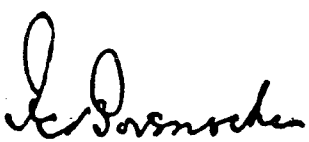

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GERMAN TELLERMINE 42
(Fig. 1)

This model of the Tellermine, like the 35 model described in Pamphlet No. 8, is designed to function by pressure applied to a contact fuze or by detonators in the side and base which may be initiated by " booby trap " devices or by instantaneous detonating fuze connected to another mine. In this model the fuze is situated beneath the cover plate assembly.

The mine is 12·8 inches in diameter and has a convex head with a central recess, approximately 7 inches in diameter, from which the main cover plate and the fuze cover plate protrude. The main cover plate is corrugated radially and has a plain retaining ring surrounding its base. The fuze cover plate protrudes from the centre of the main cover plate and has six curved surfaces formed on its flange to facilitate turning by hand. The overall height of the mine with the cover plate assembly is 3·7 inches. The weight of the mine with its amatol bursting charge and P.E.T.N./wax exploders is 17 lb. 15 oz. The exterior is painted a dark grey but will probably also be found with camouflage painting.

The fuze is similar to that used in the British anti-tank mine R.E. No. 1 and is described in this pamphlet. A load of 570 lb. applied to the cover plate above the fuze will cause the fuze to function. The required load decreases towards the periphery of the main cover plate because of the lever effect and at the outer edge may be as low as one half of this amount.

Body

The body is pressed from sheet steel and consists of two main parts, the charge container and the base plate. The base plate is fitted to close the base of the container after filling and is turned in at its circumference to engage a flange at the base of the container wall. A brass detonator holder is screwed into a hole with a socket in the base about 2·2 inches from the centre. The holder is screwthreaded internally near the mouth to receive a pull igniter. The charge container has a similar detonator holder screwed in the side wall. The head of the container is convex and is shaped to form a concentric circular recess of 7 inches diameter with a fuze socket welded at its centre. A detonator holder of steel for the main detonator is fitted to the base of the fuze socket. A locating ring with a circular groove to receive the base end of the cover plate