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26/G.S. Publications/981

MINES AND SOOBY TRAPS

MULTINY TRAINING PAMPHLET No. 40

Part I (All Arms) to deal with I divid ual

1943

(This Pamph) t in conjunction wit. Part II appersedes

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Prepared under the direction of The Chief of the Imperial General Staff

THE WAR OFFICE.

May, 1943

PREFATORY NOTE
1. Military Training Prophlet v. 40. Mir. and Book
Part I (All Ai s)—How to de with individual
Part II (All Arm -Laying and reco ing of British
Part III (All Arms) The breaching of minefields. Part IV.—(In preparation).
2. The above-mentioned pamphlets should be studied by
3. Blank pages are included in Part 1 or pas g in mendments which w ssued who ne devic are aken into use.
DISTRIBUT N (Part 1)
MI arms D

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MINES AND BOOBY TRAPS

MILITARY TRAINING PAMPHLET No. 40

GENERAL RULES

THESE SAVE LIVES. LEARN THEM LIKE YOU

- 1. If you keep your cless op a and sus at everything unusual representation only when you become or eless that you are asking for trouble.
- 2. Look carefully all round a starting to work u it.
- 3. Handle all mines, files, igniters and switches with care at all times.
- 4. Never use force. If a thing will not compundone gently by hand, leave it.
- 5. It generally takes out one man to we've on a nine-
- 6. Look out for booby trus (see ne page).
- 7. Never pull a slack wire at never t a taut one. Look at both ends of any wire refore at touch it.
- 8. Safety-pin anti-personnel mines before you lift them.
- 9. If you have to leave a mine or trap unlifted mark tobviously.
- 10. If you find any mine or me to an not de rise t in the booklet, or anything you are not confident you under stand, leave it alone, marie t obvious y and form the sappers.
- 11. Don't be fooled by the name anti-ta " mine. It blows up anything on wheels tank.

BOOBY TRAPS ON MINES

Mines laid by the enemy will normally be found buried, or with tops flush with the ground surface. They will frequently be booby-trapped to the clumsy and incautious lifter.

Traps will prmally be in the form of another charge underneath the mines set off a pull igniter attached to the mine a wire.

be Tellers ine is de gned for booby-trapping, but all mis can be boby-trapping.

- erefore alv ys suspect a booby trap.
- Feel carefully all round and underneath the mine of wires and ignitors.
- 2. Neutralize each igniter as you come to it.
- 3. Examine both ends of wire for igniters.
- 4. Don't lift min until you ere sure it is clear.

In special circumstaces, when speed is vital, pulling, lear with t-search g for booby traps may be ordered.

This or r will not e given or anyone below Divisional

BRITISH MINE MK V.





CHAPTER I

SECTION I.-ANTI-TANK MINE

RITISH MK V

Size.-Ci. ılar/8 ins jameter, 4 ins high.

Weight. bout 12 (containing about 8 lb explosive).

Safety dev re.- Safe pin in the top of the fuze.

pescriptio —The full sits in a pocket in the centre of the of the min; over it sits a tin cap on a rubber washer keep. Disture out of the fuze pocket. The fuze is operated by a spider frame which fits over the top of the mine and is held in place by studs which fit into slotted straps on the side of the mine.

To arm

- i. Check that he shear vire of fuze is not damaged (if it is—card the uze).
- ii. t the fuze of the man and remove the safety pin ith a horizontal pull sing pliers.
- iii. P ce the ruler washer and tin cap over it and

. usarm

- i. Remove cover without putting due pressure on it.
- ii. Insert safety pin or 1 or strong piece of wire in safety pin hole.
- iii ve fuze.

ote.—You hay meet ritish M. IV mines. They are an over I solid cover in place of he spider from the and no steep of the spider from the spider

(MK II) IGNITER

BRITISH SHRAPNEL MINE MKII



SECTION 2.—ANTI-PERSONNEL MINE BRITISH SHRAPNEL MINE, MK I

Size.—Cylindrical, about 6 ins high and 3 ins diameter. Weight.—About 10 containing about 1 lb of explosive).

Safety devic __ O safety pins.

Descript u.—The line is designed to jump a few feet in the air be are bursting. Fragmentation of the thick casing roduces the anti-pers nel effect. It is set off by a triple. The n. is has two projections on the top. The taller of is the "tridge p tol" for projecting the mine into the air. The cereone is the "detonator pistol" for exploding the mine in the air, and consists of a release mechanism that that on a mills bomb (Grenade 36 m).

The lever arm slides in a slot in the outer casing in which

the mine sits.

To arm

i. Ensure that BC at a tols have SAFETY PINS IN PLACE.

Remove car idge pist (the larger projection) and

inspect ho to see tot it is clear.

iii. Lert a cartinge and relace pistol, screwing up tight

iv. R nove detor tor pists, by turning knurled ring

y. Jert a detonator, small end downwards. Shake gently to ensure the cap head rests on shoulder in the hole.

yi. Replace detonator pistol with the down the slot in the outer casing a w up knurled ring anti-

vii. Check both safety ins.

top of the cartrid pistol. oo much tension will cause lety pin to amb.

x. Remove fety pin o cartridge istol.

x. Remove fety pin o detonator pistol, being careful not to listure the mine.

To h

- i. Replace detonator pistol safety pin.
- ii. Replace cartridge pistol safety pin.
- iii. Cut trip wire.
- iv. Disarm mine by reversing procedure for arming and removing the detonator and cartridge.

MK 11

Almost exactly the same, but the lever arm of the detonator pistol is longer.

AMERICAN MINE M2



ANTI-PERSONNEL MINE

AMERICAN MK 2

Size.-About 7 in y 4 ins.

Weight.- About 8 (containing about 1 lb of explosive).

Safety de ice .- Sal y pin in the igniter.

Description—This rune is similar in action to the British

he firing coice can be operated either by pulling on a p wire or by pressure on the knob.

To neutralize

i. Place a nail or piece of thong wire in the safety pin hole in the igniter.

ii. Cut the tri, wire or a pove pressure knob (whichever applies).

iii. Inscrew the guiter.

TWILLIAM PHYNORIBITARY

Series Albert I made to the

Weight - Moore & So downstring about \$ No of exposing

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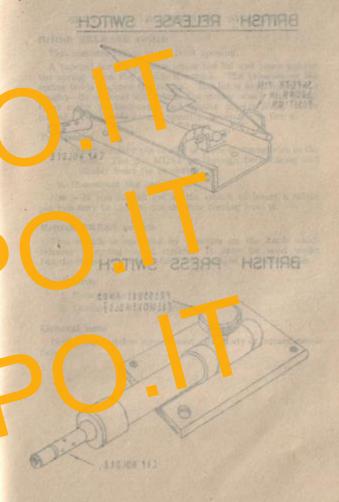
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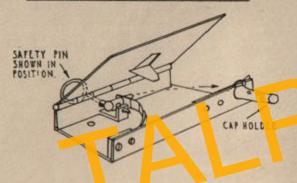


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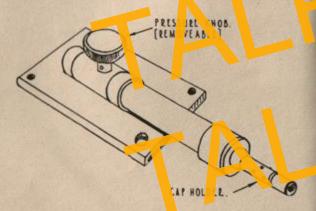


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BRITISH RELEASE SWITCH.



BRITISH PRESS SWITCH.



SECTION 3.—BOOBY TRAP SWITCHES

British RELEASE switch

This operates rather like book opening.

A tapered tony the sects inside the lid and bears against the spring went the sects inside the lid and bears against the spring tends of force the lid up. The lid is kept down by a night—its record will blease the striker which fires a cap. It is the lid up. The lid is kept down by a lease the striker which fires a cap. It is the lid under possible the lid and bears against the spring went to be spring to the spring with the lid and bears against the spring went to be spring with the lid and bears against the spring went to be spring with the spring went to be spring to be spri

To lisarm

- Ins. t a safety pin or nail or piece of strong wire in the hole. The pin MUST go through both casing and striker head (as in sketch).
- ii. Disconnect the cap bear

Note.—If you can ot get a the switch to insert a safety pin you may be able to cut the uze coming from it.

British 'RESS sw ch

This synch is open ted by a ssure on the knob which releases a spring-load i striker. It may be used under boards, may be used under boards.

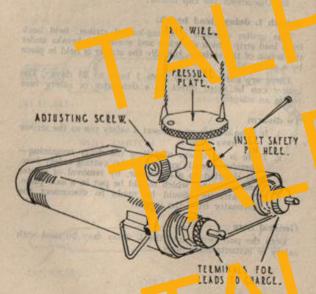
"o di- m

- i. Remove the knob.
- ii. Disconnect the cap holder

General note

Both the witches may be used with ufety or instantaneous fuze.

BRITISH PRESSURE/PULL SWITCH. ELECTRIC.



M HOBOOBY TRAP SWITCHES DIATMA

British PRESSURE/PULL Switch (Electric)

This switch contains a small battery and is designed to fire an electric let nator when either a trip wire is pulled or pressure is t on the the switch in be van d. The lightest pressure required is bout 5 lb.

neutralia

- i. Insert fety pin or nail or piece of strong wire in tety pin hole.
- ii. Disconnect leads.



AMERICAN RELEASE SWITCH MI.

Dright PRESERVATILL Switch (Electric)
The switch contains a soluli beings and is designed to for
an electra detonate when white we replace in falled or
preserve is put on the plate. The preserve required reactions
the switch can be rained. She lightest presente required is
about 5 in.



BOOBY TRAP SWITCHES

American PULL switch, M1

This is essentially the one main medification that depends in addition to safety or istantaneous fuze.

disarm

- i. Insert ety pin r nail or piece of strong wire in safety in hole.
- ii. D. onnect.

American PRESS switch, M1

This is essentially the same the British press switch. The cap holder is the same at hat used in the American pull switch (described a ove). The pressure knob is held by a small spring and can NOT be moved.

To disa n

Discom et.

(Taking are NOT to exert pressure on the knob.)

ner an RELEASE switch, M1

The action is essentially the same as the British release switch, but its appearance differs. The same holder is the same as described for the American work, switch. When armed a pressure of at least 2 lb is equired to hold down the release plate, which is normally held in position by a safety pin. (See sketch)

To isarm

blace safety n or nail a disconnect.

ANTRICAMPREEMET YSORTCH MI

American PULL and other 341

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I bloc safety pin or nut) and disaprilled

ARTE OF ANY SAN SAN AND ANY TO- CAMP

Worth -Abert 13 Ib (containing about 7 lb of explosive).

Subject Grayled -A come after enty builder

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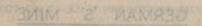
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TATHERTY MESSAGE IN LOT

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THE PARTY

STATISHED HAVE CHIEF THE

GERMAN 'S' MINE INSELT SAFETY PIN HERE. FRIP WILE. [Q] WITH 3 RONG LESSURE IGNITER. INSERT SAFETY TR WIRE. PIN HERE. (b) WITH 2 PULL ICNITERS.

SECTION 5.—ANTI-PERSONNEL MINE

GERMAN S MINE

This is a small and mine about 4 ins diameter and 5 ins high. In thring, the air where explodes cattering steel balls in all directions. It is purely anti-PE ONNEL mine. Up to date there of operation.

THE MO. COMM N method is using the standard 3-p ng pressure gniter (4- page 63).

To heutr ize

Insert nail into safety pin hole and unscrew igniter.

2. ANOTHER METHOD one or two standard pull igniters. An adaptor is and ten pull igniters are fitted (see page 65).

o ne valize

- i. In 't nail, etc. in safety in hole and cut trip wires.
- ii. Un rew igniter
- iii. Insect other entrof all trip wires for other "S" mines
- 3. ANOTHER METHOD is using the 3-prong pressure igniters (electric) (see page 67).

To neutralize

Carefully trace the lead to the n be and cut all leads

ITALIAN MINE B.4.



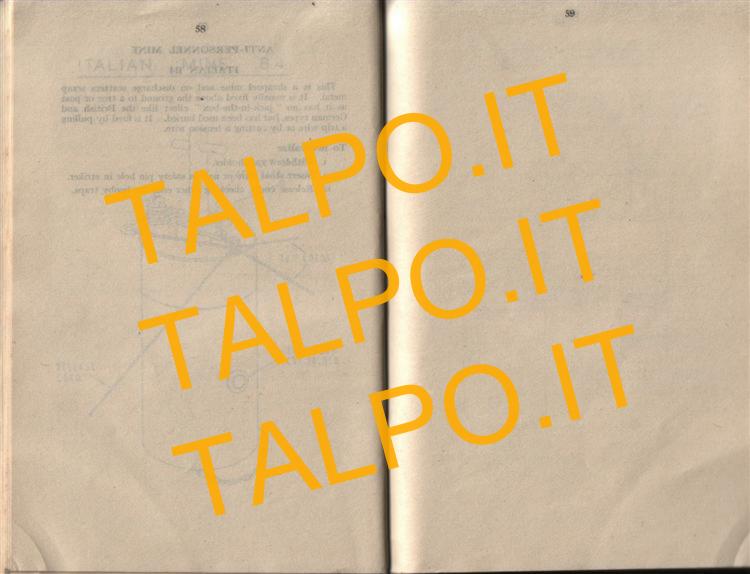
ANTI-PERSONNEL MINE

ITALIAN B4

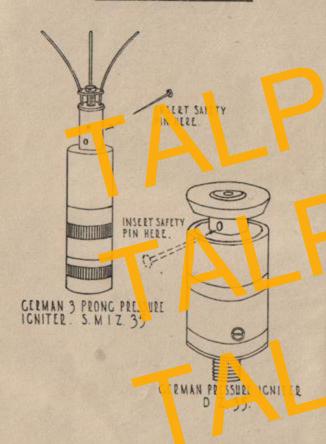
This is a shraped one and on discharge scatters scrap metal. It is usually in a above the ground to a tree or post as it has ne 'jack-in e-box' effect like the British and German type but has to n used buried. It is fired by pulling trip wire or v cutting tension wire.

To neutralize

- i. Withdra cap holder.
- ii. In at stout wire or nail in safety pin hole in striker.
- iii. Release cords, checking other ends for booby traps.



GERMAN IGNITERS



SECTION 6.—GERMAN IGNITERS

FOR MINES OR BOOBY TRAPS)

General note

All German igniters are capable of being screwed into German made up charge and mines (in some cases by means also be attached to safety fuze by the capable of being screwed into and mines (in some cases by means also be attached to safety fuze by the capable of being screwed into and mines (in some cases by means also be attached to safety fuze by the capable of being screwed into and mines (in some cases by means also be attached to safety fuze by the capable of being screwed into and mines (in some cases by means also be attached to safety fuze by the capable of being screwed into and mines (in some cases by means also be attached to safety fuze by the capable of being screwed into and mines (in some cases by means also be attached to safety fuze by the capable of being screwed into and mines (in some cases by means also be attached to safety fuze by the capable of being screwed into an advanced by the capable of being screwed into an advanced by the capable of the capable of being screwed into an advanced by the capable of the capable o

Ge nan 3-pro 2 pressure igniter SMiZ35

his is the 3-pronged pressure igniter most often used with the "S" mine (see page 55). Pressure required, about 15 lb.

To neutralize

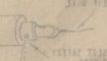
- i. Place a nail of place of trong wire in safety-pin hole.
- ii. Unscrew.

German pressure i niter D2 5

This ign er is made in two size, the larger being made of aluminium and painted brown, the smaller being unpainted brass. It larger need a greater pressure to fire. They are thiefly in acces to our own pressure switch.

To neutralize

- i. Place a nail or piece of ____ wire in the safety-pln hole.
- ii. Dr



2538 BIT