



TARGET SCORING MECHANISM, SINGLE POP-UP, DEVICE 3C52E

TRAINING CATEGORY:

ARMAMENT (Small Arms)

ORIGINATING AGENCY:

CMC

SECURITY CLASSIFICATION:

Device 3C52E is unclassified.

INTENDED USE:

Tactical combat training. The target mechanism with the appropriate target installed, may be used for the following purposes:

a. Target identification training can be accomplished in recognition and location of different types of targets, i.e., machine-gun nest, squads of men, etc.

b. The targets, when set up in a field area, can be used for drill in fire commands and fire control.

c. Training in fire distribution can be accomplished through use of these targets.

d. Realism can be added to patrol training by arranging these targets to simulate enemy positions.

e. The targets can be set up in such a way as to afford training in individual combat field firing.

f. Training can be afforded in adjusting fire for increased range and in machine-gun fire control by arranging the targets at known increment distance on a machine-gun range.

g. The targets can be utilized on tank ranges to afford tank targets for machine-gun practice.

h. The targets, when used with gun-fire simulators, can be used:

- (1) To simulate defensive night problems.
- (2) For training in range determination at night.
- (3) For training in target recognition during night illumination problems.

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i. The targets are adequate for field pistol ranges.

j. The targets are suitable for sub-machine-gun ranges.

FUNCTIONAL DESCRIPTION:

Device 3C52E, Single Pop-Up Target Scoring mechanism is an electromechanical system for erecting or lowering targets from a remote location for small arms field firing problems. A counter is provided to indicate the hits made.

The system consists of a control box, a mechanism box, a hit switch assembly and a target holder.

The control box controls the mechanism from a remote location.

The mechanism box houses the drive unit assembly and the relay assembly.

The hit switch cable assembly consists of two impact switches normally closed.

The target holder is mounted in the arm on the outside of mechanism box.

PHYSICAL INFORMATION:

Control Box: 7-1/2" x 8-1/4"

Mechanism Box: 59" x 26" (includes clearance for target and holder).

EQUIPMENT REQUIRED (NOT SUPPLIED):

One target, type E or F equivalent.
Cable, 3, 4 and 7 conductor as required.

INSTALLATION AREA:

The target mechanism should be located to afford the element of surprise and to take advantage of natural drainage. The control box operator must see target to control firing problem.

POWER REQUIREMENTS:

115 v ac, 60 Hz, 2 amp

SPECIAL REQUIREMENTS:

Make certain that the target unit is fully protected, leaving only the silhouette target exposed to the weapon's firing.

PUBLICATIONS FURNISHED:

Operation and Maintenance Handbook with Parts List for Single Pop-Up Target Scoring Mechanism, Device 3C52E NAVSO P-3108.

PERSONNEL:

Instructor: One instructor can normally control as many devices as are required in a given area, however, it is usually desirable to limit assignment of devices, on combat ranges, for greater efficiency.

Trainees: Unlimited

Maintenance: One man can normally service 10 devices depending on local conditions.

RELATED TRAINING DEVICES:

Device 3C52E is similar to the previous devices in the 3C52 series except that only one target holder is provided and common commercial parts are used in place of the peculiar parts to facilitate procurement and replacement.

CONTRACT IDENTIFICATION:

Manufactured by BNF Mfg Corp., Orlando, FL under NAVTRAEQUIPCEN Contract No. N61339-67-C-0223.

LOCAL STOCK NUMBER:

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